



STIC Search Report

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STIC Database Tracking Number: 1024264

TO: Alton Pryor
Location:
Art Unit: 1616
June 9, 2004

HC JD

Case Serial Number: 09/841820

From: P. Sheppard
Location: Remsen Building
Phone: (571) 272-2529

sheppard@uspto.gov

Search Notes

1024

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: John R. Young Examiner #: 74458 Date: 6/2/04
Art Unit: 1116 Phone Number 30 5-0641 Serial Number: 09/841820
Mail Box and Bldg/Rm Location: Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention:

Inventors (please provide full names):

Earliest Priority Filing Date:

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Search claim 30
of ~~a~~ ^{an} ~~invention~~
by ALD. SWANSON, citizen of the
United States, of Milwaukee,
Wisconsin, with residence
at Benson, Wisconsin,
in Benson, Wisconsin.

c) umbra (a) + (b)

STAFF USE ONLY	Type of Search	Vendors and cost where applicable
Searcher: <u>John Doe</u>	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr. Link _____
Date Completed: <u>6/1/99</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
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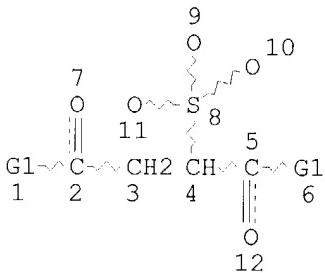
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FILE COVERS 1907 - 9 Jun 2004 VOL 140 ISS 24
FILE LAST UPDATED: 8 Jun 2004 (20040608/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L1 STR



VAR G1=O/NH
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE

L3	3283	SEA FILE=REGISTRY SSS FUL L1
L4	133	SEA FILE=HCAPLUS ABB=ON PLU=ON ALS (W) INHIBITOR
L5	329	SEA FILE=REGISTRY ABB=ON PLU=ON ACETOLACTATE SYNTHASE?/CN
L6	1577	SEA FILE=HCAPLUS ABB=ON PLU=ON L5 OR ACETOLACTATE(W) SYNTH?
L7	605	SEA FILE=HCAPLUS ABB=ON PLU=ON L6(L) INHIBIT?
L8	638	SEA FILE=HCAPLUS ABB=ON PLU=ON L4 OR L7
L9	12352	SEA FILE=HCAPLUS ABB=ON PLU=ON L3
L10	1	SEA FILE=HCAPLUS ABB=ON PLU=ON L9 AND L8

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=> d ibib abs hitstr 110 1

L10 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2001:816370 HCAPLUS
 DOCUMENT NUMBER: 135:340483
 TITLE: Stable liquid herbicide formulations
 INVENTOR(S): Wuertz, Jochen; Maier, Thomas; Schnabel, Gerhard;
 Haase, Detlev
 PATENT ASSIGNEE(S): Aventis CropScience GmbH, Germany
 SOURCE: PCT Int. Appl., 44 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001082693	A2	20011108	WO 2001-EP3879	20010405
WO 2001082693	A3	20020314		
W: AE, AG, AL, AM, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CO, CR, CU, CZ, DM, DZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 10020671	A1	20011108	DE 2000-10020671	20000427
EP 1278416	A2	20030129	EP 2001-938088	20010405
EP 1278416	B1	20040407		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001010406	A	20030211	BR 2001-10406	20010405
JP 2003531838	T2	20031028	JP 2001-579586	20010405
AT 263487	E	20040415	AT 2001-938088	20010405
US 2002016263	A1	20020207	US 2001-841820	20010425
PRIORITY APPLN. INFO.:			DE 2000-10020671 A	20000427
			WO 2001-EP3879	W 20010405

OTHER SOURCE(S): MARPAT 135:340483

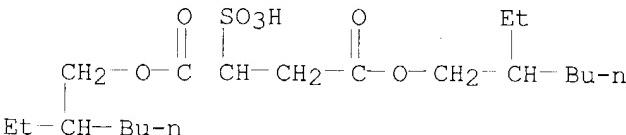
AB The invention relates to stable liquid herbicide formulations containing one or more derivs. of polycarboxylic acids and one or more **acetolactate synthase-inhibiting** herbicides. The polycarboxylic acids are sulfosuccinates and/or gemini surfactants.

IT 577-11-7, Triton GR 7ME

RL: MOA (Modifier or additive use); USES (Uses)
(Triton GR 7ME; stable liquid herbicide formulation containing)

RN 577-11-7 HCAPLUS

CN Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (9CI)
(CA INDEX NAME)

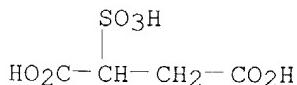


● Na

IT 9027-45-6, Acetolactate synthase
 RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL
 (Biological study); PROC (Process)
 (stable liquid formulations containing acetolactate
 synthase-inhibiting herbicides)
 RN 9027-45-6 HCPLUS
 CN Synthase, acetolactate (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT 5138-18-1D, Sulfosuccinic acid, esters and salts
 RL: MOA (Modifier or additive use); USES (Uses)
 (stable liquid herbicide formulation containing)
 RN 5138-18-1 HCPLUS
 CN Butanedioic acid, sulfo- (9CI) (CA INDEX NAME)



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FILE COVERS 1907 - 9 Jun 2004 VOL 140 ISS 24
 FILE LAST UPDATED: 8 Jun 2004 (20040608/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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 L1 STR
 L3 3283 SEA FILE=REGISTRY SSS FUL L1
 L4 133 SEA FILE=HCPLUS ABB=ON PLU=ON ALS(W) INHIBITOR
 L5 329 SEA FILE=REGISTRY ABB=ON PLU=ON ACETOLACTATE SYNTHASE?/CN
 L6 1577 SEA FILE=HCPLUS ABB=ON PLU=ON L5 OR ACETOLACTATE(W) SYNTH?
 L7 605 SEA FILE=HCPLUS ABB=ON PLU=ON L6(L) INHIBIT?
 L8 638 SEA FILE=HCPLUS ABB=ON PLU=ON L4 OR L7
 L9 12352 SEA FILE=HCPLUS ABB=ON PLU=ON L3
 L10 1 SEA FILE=HCPLUS ABB=ON PLU=ON L9 AND L8

L11 465 SEA FILE=REGISTRY ABB=ON PLU=ON SULFONYLURE? OR CHLORSULFUR?
OR CHLOIMURON? OR METSULFUR? OR SULFURON? OR SULFUMET? OR
TRIBENURO? OR IODOSULFURON? OR SULFONDI?
L12 14200 SEA FILE=HCAPLUS ABB=ON PLU=ON L11 OR ?SULFONYLURE? OR
?CHLORSULFUR? OR ?CHLOIMURON? OR ?METSULFUR? OR ?SULFURON? OR
?SULFUMET? OR ?TRIBENURO? OR ?IODOSULFURON? OR ?SULFONDI?
L13 39 SEA FILE=HCAPLUS ABB=ON PLU=ON L12 AND L9
L14 38 SEA FILE=HCAPLUS ABB=ON PLU=ON L13 NOT L10

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=> d ibib abs hitrn l14 1-38

L14 ANSWER 1 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:673773 HCAPLUS
DOCUMENT NUMBER: 139:192911
TITLE: Agrochemical preparations floating and moving on water
surface, their manufacture, and application method
INVENTOR(S): Kamata, Yasuhiro; Innami, Haruki
PATENT ASSIGNEE(S): Aventis CropScience GmbH, Germany
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003238306	A2	20030827	JP 2002-16808	20020125
PRIORITY APPLN. INFO.:			JP 2002-16808	20020125

AB The preps., which have bulk sp. gr. <1.0 and are rapidly spread over water surface after application, are manufactured by (a) premixing active ingredients, carriers, surfactants, and optionally other additives, (b) further mixing the composition obtained in (a) with solid surfactants, (c) granulating the mixture, and (d) further molding the granules if necessary. The preps. may be packed by a water-soluble film. The preps. are applied at 2-20 kg/ha. This method provides granules having uneven interfacial tension which show increased moving property. Granules (sp. gr. 0.38) were manufactured by the claimed process from anilofos, **ethoxysulfuron**, Microsphere F 80 (hollow acrylonitrile polymers), Na lauryl sulfate, solid Na dialkyl sulfosuccinates, Na ligninsulfonate, Na bentonite, talc, and H₂O. The granules packed with C 200AX (water-soluble PVA film) was applied to paddy to show rapid diffusion.

IT **5138-18-1D**, Sulfosuccinic acid, dialkyl esters, sodium salts
83055-99-6, **Bensulfuron-methyl 98389-04-9**,
Pyrazosulfuron 120162-55-2, **Azimsulfuron 122548-33-8**, **Imazosulfuron 126801-58-9**,
Ethoxysulfuron
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(manufacture of agrochem. preps. floating and rapidly moving on water surface after application)

L14 ANSWER 2 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:42999 HCAPLUS
DOCUMENT NUMBER: 138:68344
TITLE: Lignin-based microparticles for controlled release of agrochemicals
INVENTOR(S): Asrar, Jawed; Ding, Yiwei
PATENT ASSIGNEE(S): Monsanto Technology LLC, USA
SOURCE: U.S. Pat. Appl. Publ., 26 pp.

CODEN: USXXCO

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003013612	A1	20030116	US 2002-191703	20020709
WO 2003005816	A1	20030123	WO 2002-US21722	20020710
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1404176	A1	20040407	EP 2002-748113	20020710
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
PRIORITY APPLN. INFO.: US 2001-304554P P 20010711 WO 2002-US21722 W 20020710				

AB A method of producing lignin-based matrix microparticles for the controlled release of an agricultural active includes forming an emulsion of an organic solution in an aqueous solution, wherein the organic solution contains a lignin

derivative and an agricultural active in a volatile organic solvent and the aqueous solution contains an emulsifier; and removing the organic solvent, thereby producing microparticles having a matrix comprising the lignin derivative within which the agricultural active is distributed. Small, spherical lignin-based matrix microparticles that release an agricultural active at a controlled rate are described, as are plants and plant propagation materials that are treated with such microparticles.

IT 5138-18-1D, Butanedioic acid, sulfo, derivs.

RL: NUU (Other use, unclassified); USES (Uses)
(emulsifier in preparation of lignin-based microparticles for controlled release of agrochems.)

IT 64902-72-3, Chlorsulfuron 79277-67-1,
Thifensulfuron 79510-48-8, Metsulfuron
82097-50-5, Triasulfuron 94125-34-5,
Prosulfuron 99283-01-9, Bensulfuron
106040-48-6, >, Tribenuron 111353-84-5,
Ethametsulfuron 111991-09-4, Nicosulfuron
113036-87-6, Primisulfuron 122931-48-0,
Rimsulfuron 135397-30-7, Halosulfuron
135990-29-3, Triflusulfuron 144651-06-9,
Oxasulfuron

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(lignin-based microparticles for controlled release of)

L14 ANSWER 3 OF 38 HCPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:42092 HCPLUS

DOCUMENT NUMBER: 138:112443

TITLE: Tablet compositions for poorly-compressible pharmaceuticals

INVENTOR(S): Matharu, Amol Singh; Patel, Mahendra R.

PATENT ASSIGNEE(S): Geneva Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 20 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003004009	A1	20030116	WO 2002-US20323	20020627
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003021841	A1	20030130	US 2002-183881	20020627

PRIORITY APPLN. INFO.:

US 2001-302613P P 20010702

AB The present invention relates to a process for preparing tablet dosage forms of poorly-compressible pharmaceuticals and to tablet dosage forms. The process is especially useful for preparing tablets of the poorly-compressible drug metformin-HCl. Thus, tablets contained metformin-HCl 500, HPMC 320, stearyl alc. 200, and Mg stearate mg/unit.

IT 64-77-7, Tolbutamide 577-11-7, Diethylsodium sulfosuccinate

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (tablet compns. for poorly-compressible pharmaceuticals)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 4 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:396535 HCAPLUS

DOCUMENT NUMBER: 136:381759

TITLE: Pesticide compositions, their manufacture, formulations, and direct application to flooded paddy fields

INVENTOR(S): Fujita, Shigeki; Takayanagi, Toru; Kato, Susumu

PATENT ASSIGNEE(S): Kumai Chemical Industry Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002154901	A2	20020528	JP 2000-353887	20001121
CN 1353932	A	20020619	CN 2001-138546	20011116
US 2002098984	A1	20020725	US 2001-987969	20011116
US 6703350	B2	20040309		

PRIORITY APPLN. INFO.: JP 2000-353887 A 20001121

AB The compns. contain pesticides supported on grain nuclei coated with water-soluble polymers or water-swellable substances. The compns. are directly applied to flooded paddy fields at 20-2000 g/10 are. IBP (42.5 parts) was supported on 57.5 parts Na polyacrylate-coated pumice and the resulting composition was packaged in bags of water-soluble poly(vinyl alc.) films at 100 g/bag. The composition floated and uniformly spread over the water surface of a paddy.

IT 83055-99-6, Bensulfuron-methyl

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (pesticides supported on coated grain nuclei for direct application to
 flooded paddy fields)

IT **5138-18-1D**, Sulfosuccinic acid, dialkyl esters, salts

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (surfactant; pesticides supported on coated grain nuclei for direct
 application to flooded paddy fields)

L14 ANSWER 5 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:122711 HCAPLUS

DOCUMENT NUMBER: 136:146540

TITLE: Floating type formulations of agricultural agents

INVENTOR(S): Kamata, Yasuhiro; Innami, Haruki

PATENT ASSIGNEE(S): Aventis CropScience GmbH, Germany

SOURCE: PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002011538	A2	20020214	WO 2001-EP7947	20010710
WO 2002011538	A3	20020613		
W: AE, AG, AL, AM, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CN, CO, CR, CU, CZ, DM, DZ, EC, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KP, KR, KZ, LC, LK, LR, LT, LV, MA, MD, MG, MK, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
JP 2002053405	A2	20020219	JP 2000-239324	20000808
AU 2001070626	A5	20020218	AU 2001-70626	20010710
PRIORITY APPLN. INFO.:			JP 2000-239324	A 20000808
			WO 2001-EP7947	W 20010710

AB Floating type formulations of agricultural agents contain active ingredients of agricultural agent, a porous carrier of which average particle diameter is in the range of 10 to 100 μ , a surfactant, a binder and a polymer of high water absorption. The formulations of the invention have low risk of running off of agricultural agents from a paddy field, due to excellent dispersion of the active ingredients of agricultural agents as well as quick sink of the carriers into the water after dispersion.

IT **126801-58-9, Ethoxysulfuron**

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (floating type formulation of)

IT **5138-18-1D, Butanedioic acid, sulfo-, ester**

RL: MOA (Modifier or additive use); USES (Uses)
 (surfactant in floating type agricultural formulation)

L14 ANSWER 6 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2001:578597 HCAPLUS

DOCUMENT NUMBER: 135:124156

TITLE: Bactericide combinations in detergents

INVENTOR(S): Elsmore, Richard; Houghton, Mark Phillip

PATENT ASSIGNEE(S): Robert McBride Ltd., UK

SOURCE: Brit. UK Pat. Appl., 53 pp.

CODEN: BAXXDU

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2354771	A1	20010404	GB 1999-23253	19991001
PRIORITY APPLN. INFO.:			GB 1999-23253	19991001
AB	The detergent comprises a bactericide in combination with an anionic, cationic, nonionic or amphoteric surfactant which has a C12-18 alkyl group as the longest chain attached to the hydrophilic moiety. Creduret 50 (hydrogenated ethoxylated castor oil) 50, citric acid 12, formalin 10, sodium alkyl benzene sulfonate (C12-20) alkyl 1, perfume white line 0.5, detergent enzyme savingase 0.2, and bactericide Pr 4-hydroxybenzoate 1.0 parts formed a detergent, showing reduction activity after contact 2.			
IT	473-34-7 577-11-7 39354-45-5 RL: BUU (Biological use, unclassified); NUU (Other use, unclassified); BIOL (Biological study); USES (Uses) (bactericide combinations in detergents)			

L14 ANSWER 7 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2001:338762 HCAPLUS
 DOCUMENT NUMBER: 134:362292
 TITLE: Methods of determining individual hypersensitivity to a pharmaceutical agent from gene expression profile
 INVENTOR(S): Farr, Spencer
 PATENT ASSIGNEE(S): Phase-1 Molecular Toxicology, USA
 SOURCE: PCT Int. Appl., 222 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001032928	A2	20010510	WO 2000-US30474	20001103
WO 2001032928	A3	20020725		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
PRIORITY APPLN. INFO.:			US 1999-165398P	P 19991105
			US 2000-196571P	P 20000411
AB	The invention discloses methods, gene databases, gene arrays, protein arrays, and devices that may be used to determine the hypersensitivity of individuals to a given agent, such as drug or other chemical, in order to prevent toxic side effects. In one embodiment, methods of identifying hypersensitivity in a subject by obtaining a gene expression profile of multiple genes associated with hypersensitivity of the subject suspected to be hypersensitive, and identifying in the gene expression profile of the subject a pattern of gene expression of the genes associated with hypersensitivity are disclosed. The gene expression profile of the subject may be compared with the gene expression profile of a normal individual and a hypersensitive individual. The gene expression profile of the subject that is obtained may comprise a profile of levels of mRNA or cDNA. The gene expression profile may be obtained by using an array of nucleic acid probes for the plurality of genes associated with hypersensitivity. The expression of the genes predetd. to be associated with hypersensitivity is directly related to prevention or repair of toxic damage at the tissue, organ or system level. Gene databases arrays and			

apparatus useful for identifying hypersensitivity in a subject are also disclosed.

- IT **64-77-7, Tolbutamide 577-11-7, Docusate sodium**
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
 (methods of determining individual hypersensitivity to a pharmaceutical agent from gene expression profile)

L14 ANSWER 8 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2001:214937 HCAPLUS
 DOCUMENT NUMBER: 134:233078
 TITLE: Aqueous herbicide suspensions with improved storage stability
 INVENTOR(S): Morie, Koichi; Okawa, Yoshikazu
 PATENT ASSIGNEE(S): Nippon Bayer Agrochem K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001081001	A2	20010327	JP 1999-259367	19990913
PRIORITY APPLN. INFO.:			JP 1999-259367	19990913

AB Herbicidal formulations contain ≥ 1 water-insol. or poorly soluble herbicide, with average particle size 0.5-10 μm , 1-30 weight %, glycerin 5-10 weight %, and water 50-85 weight % and an amount of surfactant sufficient to keep the herbicide(s) suspended; the viscosity at 25° ranges 90-500 mPa s. Thus, a formulation containing **bensulfuron** Me 1.63, fentrazamide 4.13, Newkalgen FS 26 2.00, SAG 10 0.50, glycerin 10.00, 0.6N aqueous HCl solution 0.36, bentonite 1.00, 2% aqueous xanthan gum solution 9.00, and water 71.38 parts and a comparative formulation containing 10.00 parts propylene glycol in place of the glycerin were stored for 3 mo at 40°. The storage stability of the **sulfonylurea** compound was enhanced by adding glycerin.

- IT **83055-99-6, Bensulfuron methyl**
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (aqueous herbicide suspensions with improved storage stability)

- IT **577-11-7, Sodium dioctyl sulfosuccinate**
 RL: AGR (Agricultural use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (surfactant for aqueous herbicide suspensions with improved storage stability)

L14 ANSWER 9 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2000:869562 HCAPLUS
 DOCUMENT NUMBER: 134:38268
 TITLE: Pesticidal suspoemulsions for application to rice paddies
 INVENTOR(S): Hirokawa, Takashi; Tsukuda, Kazuaki
 PATENT ASSIGNEE(S): Dainippon Ink and Chemicals, Inc., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 17 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000344604	A2	20001212	JP 2000-86232	20000327

PRIORITY APPLN. INFO.:

JP 1999-92823 A 19990331

AB Suspoemulsion formulations that do not adhere to crops and cause phytotoxicity and that have superior storage stability at low and high temps. and superior dispersivity and diffusivity in water and on the water surface contain water-insol. pesticide 0.1-30, water-insol. hydrocarbon solvent 0.1-50, water- and oil-insol. pesticide 0.1-30 weight, surfactant 1-15, aromatic vinyl resin 1-20, and water 1-96.8 weight parts. Thus, pyributicarb 10, benfuresate 8, diisopropylnaphthalene 38, sorbitan trioleate 0.6, and Soprophor BSU 1.0 weight parts were melt blended, then added to a mixture of sodium dioctyl sulfosuccinate 0.7, polyoxyethylene-polyoxypylene block copolymer 1.0, propylene glycol 5.0, the preservative Bestcide 1000 0.05, the antifoaming agent SM 5512 0.01 weight parts in 24.95 weight parts water and emulsified (3 min, 10,000 rpm) to obtain an emulsion. Next, 1.7 parts **imazosulfuron** were added to a solution of water 3.7, Soprophor BSU 0.05, sodium dioctyl sulfosuccinate 0.05, polyoxyethylene-polyoxypylene block copolymer 0.05, and SM 5512 0.0 weight parts to obtain a suspension. Finally, the obtained emulsion 89.4, the suspension 5.6, and styrene-acrylic acid copolymer 5 parts were mixed to obtain a homogeneous suspoemulsion that completely controlled Echinochloa crus-galli without affecting rice growth.

IT **122548-33-8, Imazosulfuron**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(pesticidal suspoemulsions for application to rice paddies)

IT **577-11-7, Sodium dioctyl sulfosuccinate**

RL: AGR (Agricultural use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)

(surfactant; pesticidal suspoemulsions for application to rice paddies)

IT **5138-18-1D, Sulfosuccinic acid, dialkyl derivs., salts**

RL: AGR (Agricultural use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)

(surfactants; pesticidal suspoemulsions for application to rice paddies)

L14 ANSWER 10 OF 38 HCPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2000:817431 HCPLUS

DOCUMENT NUMBER: 133:360023

TITLE: Agrochemical pesticide formulations for water surface application, and their manufacture

INVENTOR(S): Nishi, Yasushi; Sato, Atsushi; Goto, Toshio; Ito, Seiji

PATENT ASSIGNEE(S): Nippon Bayer Agrochem K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 28 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000319107	A2	20001121	JP 1999-350331	19991209
JP 2000319106	A2	20001121	JP 2000-144767	19991209
CN 1269135	A	20001011	CN 2000-108605	20000303
PRIORITY APPLN. INFO.:			JP 1999-55630	A 19990303
			JP 1999-350331	A3 19991209

AB The formulations comprise (A) water-soluble polymer-coated calcined pumice having apparent d. <1 and particle size .apprx.500-1400 μm as core particles and (B) powder compns. containing slightly water-soluble pesticides and surfactants containing dialkyl sulfosuccinate salts, wherein B is supported on A using surfactants containing polyoxyethylene sorbitan (or sorbitol) fatty acid esters. The formulations show good spreadability on water surface in

paddy fields. Shirasu balloon (69.00 weight parts) was coated with 3.60 weight parts poly(vinyl alc.), mixed with 9.80 weight parts polyoxyethylene sorbitan monooleate, coated with a powder composition comprising fentrazamide 11.60, Na dioctyl sulfosuccinate 2.00, and Na ligninsulfonate 4.00 weight parts, and sealed in a water-soluble poly(vinyl alc.) bag.

- IT 54902-72-3, Chlorsulfuron 74223-64-6,
 Metsulfuron-methyl 79277-27-3, Thifensulfuron
 -methyl 93697-74-6, Pyrazosulfuron-ethyl
 94593-91-6, Cinosulfuron 104040-78-0,
 Flazasulfuron 120162-55-2, Azimsulfuron
 135397-30-7, Halosulfuron
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (agrochem. pesticides having pumice cores for water surface application)
- IT 83055-99-6, Bensulfuron-methyl 122548-33-8,
 Imazosulfuron
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (agrochem. pesticides having pumice cores for water surface application)
- IT 577-11-7, Sodium dioctyl sulfosuccinate
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (surfactant; agrochem. pesticides having pumice cores for water surface application)

L14 ANSWER 11 OF 38 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2000:725436 HCPLUS
 DOCUMENT NUMBER: 133:301171
 TITLE: Compositions and methods for improved delivery of ionizable hydrophobic therapeutic agents
 INVENTOR(S): Chen, Feng-jing; Patel, Manesh V.
 PATENT ASSIGNEE(S): Lipocene, Inc., USA
 SOURCE: PCT Int. Appl., 99 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000059475	A1	20001012	WO 2000-US7342	20000316
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6383471	B1	20020507	US 1999-287043	19990406
EP 1165048	A1	20020102	EP 2000-916547	20000316
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				

PRIORITY APPLN. INFO.: US 1999-287043 A 19990406
 WO 2000-US7342 W 20000316

AB The present invention is directed to a pharmaceutical composition including a hydrophobic therapeutic agent having at least one ionizable functional group, and a carrier. The carrier includes an ionizing agent capable of ionizing the functional group, a surfactant, and optionally solubilizers, triglycerides, and neutralizing agents. The invention further relates to

a method of preparing such compns. by providing a composition of an ionizable hydrophobic therapeutic agent, an ionizing agent, and a surfactant, and neutralizing a portion of the ionizing agent with a neutralizing agent. The compns. of the invention are particularly suitable for use in oral dosage forms. A carrier containing concentrated phosphoric acid 0.025, Tween-20 0.3, Arlacel 186 0.2, sodium taurocholate 0.15, propylene glycol 0.3 g was formulated. Itraconazole was included in the carrier at 30 mg/mL for testing the stability of the itraconazole solution upon dilution in simulated gastric fluid.

IT **64-77-7**, Tolbutamide **577-11-7**, Docusate sodium
1156-19-0, Tolazamide

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmaceutical compns. containing hydrophobic therapeutic agents and carriers containing ionizing agents and surfactants and triglycerides)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 12 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:573601 HCAPLUS
DOCUMENT NUMBER: 133:173420
TITLE: Light, extruded pesticidal compositions containing a ceramic carrier for water surface application in paddy fields
INVENTOR(S): Takayanagi, Norikazu; Kimpara, Masaomi; Suzuki, Munehiro
PATENT ASSIGNEE(S): American Cyanamid Company, USA
SOURCE: PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000047044	A1	20000817	WO 2000-US3073	20000207
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2000029833	A5	20000829	AU 2000-29833	20000207
AU 768396	B2	20031211		
BR 2000008120	A	20011106	BR 2000-8120	20000207
EP 1150562	A1	20011107	EP 2000-908506	20000207
EP 1150562	B1	20040428		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002536385	T2	20021029	JP 2000-598004	20000207
NZ 513715	A	20030530	NZ 2000-513715	20000207
EG 22636	A	20030531	EG 2000-147	20000208
BG 105862	A	20020531	BG 2001-105862	20010831
ZA 2001007438	A	20021217	ZA 2001-7438	20010910
PRIORITY APPLN. INFO.:			US 1999-248859 A 19990211	
			WO 2000-US3073 W 20000207	

AB The light, extruded compns. comprise a pesticide, a light, extrudable, ceramic carrier and at least one surface active agent, and, optionally, a mineral carrier and a binder. The compds. are used for applying pesticides to the water surface of paddy rice fields.

IT 83055-99-6, **Bensulfuronmethyl** 93697-74-6,
Pyrazosulfuronethyl 94593-91-6, **Cinosulfuron**
120162-55-2, Azimsulfuron 122548-33-8,
Imazosulfuron 126801-58-9, **Ethoxysulfuron**
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(herbicide in light, extruded pesticidal compns. containing ceramic carrier
for water surface application)

IT 577-11-7, **Newkalgen EP 70G** 5138-18-1D, **Sulfosuccinic**
acid, Dialkyl ether
RL: MOA (Modifier or additive use); USES (Uses)
(surfactant in light, extruded pesticidal compns. containing ceramic
carrier for water surface application)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 13 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:452468 HCAPLUS
DOCUMENT NUMBER: 133:54843
TITLE: Controlled-release double-coated agrochemical granules
INVENTOR(S): Nishi, Yasushi; Hanaki, Katsuhiko
PATENT ASSIGNEE(S): Nippon Bayer Agrochem K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000186004	A2	20000704	JP 1998-365046	19981222
			JP 1998-365046	19981222

PRIORITY APPLN. INFO.: AB The controlled-release granules are manufactured by coating core particles of mineral materials with agrochems. (A) using a mixed solution of an poly(vinyl acetate) emulsion a surfactant, and further coating the coated particles with a composition containing agrochems. (B), bentonite, white carbon, and a binder using a mixed solution of H₂O, an anionic polycarboxylic acid surfactant, and the surfactant used in the 1st coating. The agrochems. (A) may have water solubility <100 ppm at 20° and the agrochems. (B) have water solubility <50 ppm at 20°. The coating design suppresses rapid release of agrochems. (A) with higher water solubility and promotes release of agrochems. (B) with less water solubility Silica sand particles were spray-coated with an aqueous solution containing Na dioctyl sulfosuccinate (I) and poly(vinyl acetate), mixed with benfuracarb, dried, spray-coated with a mixture of Toxanon GR 31A (polycarboxylic acid), I, and H₂O, and then mixed with a composition containing carpropamid, bentonite, white carbon, pumice powder, and sucrose to give double-coated granules. Dissoln. of agrochem. components from the granules were also examined

IT 577-11-7, Sodium dioctyl sulfosuccinate 5138-18-1D,
Sulfosuccinic acid, dialkyl esters 83055-99-6,
Bensulfuron-methyl
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(controlled-release double-coated agrochem. granules containing two
agrochems. in the different layers)

L14 ANSWER 14 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:259972 HCAPLUS
DOCUMENT NUMBER: 132:293042
TITLE: Encapsulation of sensitive liquid components into a
matrix to obtain discrete shelf-stable particles
INVENTOR(S): Van Lengerich, Bernhard H.
PATENT ASSIGNEE(S): General Mills, Inc., USA
SOURCE: PCT Int. Appl., 56 pp.

CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000021504	A1	20000420	WO 1999-US20905	19991006
W: AE, AL, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2345815	AA	20000420	CA 1999-2345815	19991006
AU 9963872	A1	20000501	AU 1999-63872	19991006
EP 1119345	A1	20010801	EP 1999-951433	19991006
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002527375	T2	20020827	JP 2000-575480	19991006
PRIORITY APPLN. INFO.:			US 1998-103700P	P 19981009
			US 1998-109696P	P 19981124
			US 1999-233443	A 19990120
			WO 1999-US20905	W 19991006

AB A liquid encapsulant component which contains an active, sensitive encapsulant, such as a live microorganism or an enzyme dissolved or dispersed in a liquid plasticizer is admixed with a plasticizable matrix material. The matrix material is plasticizable by the liquid plasticizer and the encapsulation of the active encapsulant is accomplished at a low temperature and under low shear conditions. The active component is encapsulated and/or embedded in the plasticizable matrix component or material in a continuous process to produce discrete, solid particles. The liquid content of the liquid encapsulant component provides substantially all or completely all of the liquid plasticizer needed to plasticize the matrix component to obtain a formable, extrudable, cuttable, mixture or dough. Removal of liquid plasticizer prior to extrusion is not needed to adjust the viscosity of the mixture for formability. Release of an active component from the matrix may be delayed or controlled over time so that the active component is delivered when and where it is needed to perform its intended function. Controlled release, discrete, solid particles which contain an encapsulated and/or embedded component such as a heat sensitive or readily oxidizable pharmaceutically, biol., or nutritionally active component are continuously produced without substantial destruction of the matrix material or encapsulant.

IT 64-77-7, Tolbutamide 80-13-7, Halazone 128-49-4
 , Docusate calcium 577-11-7, Docusate sodium 1156-19-0
 , Tolazamide

RL: FFD (Food or feed use); BIOL (Biological study); USES (Uses)
 (encapsulation of sensitive liquid components into matrix to obtain
 discrete shelf-stable particles)

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 15 OF 38 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2000:106853 HCPLUS
 DOCUMENT NUMBER: 132:133617
 TITLE: Agrochemical granules with improved water floatability
 and their preparation
 INVENTOR(S): Sakano, Osamu; Oiwamoto, Masanori

PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 2000044402	A2	20000215	JP 1998-215316	19980730
				JP 1998-215316	19980730
PRIORITY APPLN. INFO.:					
AB The granules, useful for paddy fields, contain (A) active ingredients, (B) water-soluble carriers, (C) film-forming substances having lower dissoln. rate than B, (D) surfactants, and (E) thiourea, and are prepared by mixing C with a part of A, B, D, and E, kneading with H ₂ O, kneading with residual ingredients, granulating, and drying. Pyrazosulfuron-Et 15, rhamsan gum 1, Na dioctyl sulfosuccinate 1, thiourea 2, and KCl 81 parts were mixed to give granules, which was sealed in a poly(vinyl alc.) package and put into H ₂ O to show 100% floating after 2 h.					
IT	93697-74-6, Pyrazosulfuron-ethyl				
	RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (agrochem. pesticide granules with improved floatability)				
IT	577-11-7, Sodium dioctyl sulfosuccinate				
	RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (surfactant; agrochem. pesticide granules with improved floatability)				

L14 ANSWER 16 OF 38 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 2000:79593 HCPLUS
 DOCUMENT NUMBER: 132:89487
 TITLE: Serial weeding composition for rice seedling field and paddy field
 INVENTOR(S): Cao, Yongsong; Nie, Siqiao; Liu, Weidong; Luo, Zhenli; Long, Shengyou; Yang, Xiaoming; Zhu, Ruilin; Ye, Jinxia
 PATENT ASSIGNEE(S): Hunan Inst. of Chemical Industry, Peop. Rep. China
 SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 8 pp.
 CODEN: CNXXEV
 DOCUMENT TYPE: Patent
 LANGUAGE: Chinese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	CN 1181880	A	19980520	CN 1996-118409	19961112
				CN 1996-118409	19961112
PRIORITY APPLN. INFO.:					
AB Herbicides for paddy field are given. Because the use of fenclorim, the herbicides are safe agrochems. Several herbicidal compns. were given. The composition I is composed of pyrazosulfuron-Et or bensulfuron-Me 1, acetochlor 1-48, and fenclorim 1-40 part, preferably pyrazosulfuron-Et or bensulfuron-Me 1, acetochlor 2-25, and fenclorim 2-30 part. The composition II is composed of pyrazosulfuron-Et or bensulfuron-Me 1, metolachlor 0.5-50, and fenclorim 0.5-50 part, preferably pyrazosulfuron-Et or bensulfuron-Me 1, metolachlor 2-20, and fenclorim 2-20 part. The composition III is composed of bentazone 100, acetochlor or metolachlor 1-80, and fenclorim 1-80 part, preferably bentazone 100, acetochlor or metolachlor 3-60, and fenclorim 3-60 part. The composition IV is composed of MCPA 100, acetochlor or metolachlor 1-100, and fenclorim 1-100 part, preferably MCPA 100, acetochlor or metolachlor 5-50, and fenclorim 5-50 part. The composition V is composed of acetochlor or metolachlor 100 part, and fenclorim 1-100 part, preferably acetochlor or metolachlor 100 part, and					

fenclorim 10-50 part. The herbicide is composed of the composition, solvent, adjuvant, and/or carrier, and/or surfactant, and/or antifreezing agent. The antifreezing agent is selected from urea, poly(vinyl alc.), glycol, propanediol, and glycerin; the carrier from kaolin, bentonite, terra alba, sepiolite, white black, zeolite, CaCO₃, talc, gypsum, and clay, etc.; the solvent from benzene, toluene, xylene, and C1-4 alc.; and the adjuvant from cyclohexanone, DMF, dioxane, naphthalene, methylnaphthalene, DMSO, and EtOAc.

IT 577-11-7, Sodium dioctylsulfosuccinate 83055-99-6,
Bensulfuron-methyl 93697-74-6, Pyrazosulfuron
-ethyl
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(serial weeding composition for rice seedling field and paddy field)

L14 ANSWER 17 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:728051 HCAPLUS
DOCUMENT NUMBER: 131:333421
TITLE: Agrochemical preparations for submerged application,
their manufacture, and agrochemical powder
compositions for the preparations
INVENTOR(S): Nishi, Yasushi; Kobayashi, Norihito; Gojima, Toshio;
Ito, Seishi
PATENT ASSIGNEE(S): Nippon Bayer Agrochem K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 19 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11315004	A2	19991116	JP 1998-307793	19981015
CN 1231823	A	19991020	CN 1999-103434	19990304
PRIORITY APPLN. INFO.:			JP 1998-67659	19980304
			JP 1998-307793	19981015

AB The agrochem. preps., which smoothly transfer over the water surface and show controlled release of active ingredients, are manufactured by coating calcined pumice cores with apparent d. <1 and particle size 500-1400 µm with a powdery composition containing poorly water-soluble agrochems., dialkyl sulfosuccinate salts, ligninsulfonate salts, and optionally alkylnaphthalenesulfonate salts using a mixture of vegetable oils and surfactants. The powder composition may be further mixed with another agrochem. powder composition containing slightly or readily water-soluble agrochems., polyethylene, hydrophobic silica, and optionally liquid paraffins prior to coating. A mixture of soybean oil and polyoxyethylene hydrogenated castor oil was added dropwise to shirasu balloons in a pan coater. A powder mixture containing fentrazamide (70%) 11.60, Na dioctyl sulfosuccinate 2.00, and Na ligninsulfonate 4.00 parts was gradually fed to the pan coater to give powder preparation. The preparation (10 g) was packed in a PVA film bag (3 cm + 3 cm) and dropped into a 5 cm-depth water tank (74 cm + 120 cm). Concns. of fentrazamide after 1 h were almost constant everywhere in the water tank. Herbicidal effect of similarly manufactured preps. containing fentrazamide and **bensulfuron-Me** in rice paddy was also examined

IT 577-11-7 64902-72-3, Chlorsulfuron
79277-27-3, Thifensulfuron methyl 79510-48-8,
Metsulfuron 83055-99-6, Bensulfuron-methyl
93697-74-6, Pyrazosulfuron-ethyl 94593-91-6,
Cinosulfuron 104040-78-0, Flazasulfuron
120162-55-2, Azimsulfuron 122548-33-8,
Imazosulfuron 135397-30-7

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(manufacture of agrochem. preps. for submerged application by coating

shirasu with composition containing dialkylsulfosuccinates and ligninsulfonates using vegetable oil-surfactant mixture)

L14 ANSWER 18 OF 38 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1999:65283 HCPLUS
 DOCUMENT NUMBER: 130:178765
 TITLE: Herbicide aqueous suspensions and weed control in direct-seeded paddy rice with them
 INVENTOR(S): Yasui, Kazuomi; Goto, Toshio; Ito, Seiji; Isono, Kunihiro; Ohkawa, Kiichi
 PATENT ASSIGNEE(S): Nippon Bayer Agrochem K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 11021204	A2	19990126	JP 1997-185980	19970627

PRIORITY APPLN. INFO.: JP 1997-185980 19970627

AB The aqueous suspensions (viscosity 90-500 mPa·s at 25°) contain 0.5-60 weight% ≥1 water-insol. herbicide having median particle size 0.5-10 µm, 30-97 weight% H₂O, and surfactants. Weeds are controlled by application of the aqueous suspensions to the water surfaces of paddy fields simultaneous with or after seeding paddy rice. An aqueous suspension (viscosity 145 mPa·s at 25°) containing 6.0 weight% 1-(2-chlorophenyl)-4-(N-cyclohexyl-N-ethylcarbamoyl)-5(4H)-tetrazolinone (particle size 2.2 µm), 0.15 weight% xanthan gum, surfactants, etc. was applied to paddy at 5 L/ha to show 100% control of Echinochloa crus-galli, Monochoria vaginalis, and broadleaf weeds, without damaging rice.

IT 577-11-7D, Sodium dioctyl sulfosuccinate, esters with polyoxyalkylene alkylphenyl ethers, sodium salts
 RL: AGR (Agricultural use); MOA (Modifier or additive use); PRP (Properties); BIOL (Biological study); USES (Uses)
 (in stabilized water-insol. herbicide aqueous suspensions for weed control in direct-seeded paddy rice)

IT 83055-99-6, Bensulfuron-methyl 122548-33-8,
Imazosulfuron
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); USES (Uses)
 (stabilized water-insol. herbicide aqueous suspensions for weed control in direct-seeded paddy rice)

L14 ANSWER 19 OF 38 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1998:795405 HCPLUS
 DOCUMENT NUMBER: 130:106468
 TITLE: Aqueous suspension herbicide compositions and control of weeds in paddy field using them
 INVENTOR(S): Yasui, Kazuomi; Goto, Toshio; Ito, Seiji; Isono, Kunihiro; Ogawa, Yoshikazu
 PATENT ASSIGNEE(S): Nippon Bayer Agrochem K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 10330202 A2 19981215 JP 1997-156033 19970530
 PRIORITY APPLN. INFO.: JP 1997-156033 19970530
 AB The compns. contain 0.5-60 weight% ≥1 slightly water-soluble or water-insol. herbicides having medium particle size 0.5-10 µm, 30-97 weight% H₂O, and surfactants to keep the compns. in the suspended state, and show viscosity 90-500 mPa·s at 25°. Weeds in paddy field are controlled by applying the compns. just at the time when rice seedlings are transplanted. 1-(2-Chlorophenyl)-4-(N-cyclohexyl-N-ethylcarbamoyl)-5(4H)-tetrazolinone (4 parts) and 0.15 part xanthane gum were suspended in a mixture of ethylene glycol 10, Newkalgen FS 21 (a mixture of polyoxyalkylene alkylphenyl ether, Na dioctylsulfosuccinate, and isopropanol) 3, Preventol D2, SAG 10 (silicone oil emulsion) 0.5, and H₂O 82.25 parts to give an aqueous suspension having medium particle size 2.2 µm and viscosity 145 mPa·s at 25°. The suspension was uniformly dispersed in paddy water and showed excellent herbicidal activity without damage to rice.

IT 83055-99-6, **Bensulfuron-methyl 122548-33-8,**

Imazosulfuron

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (aqueous suspension herbicide compns. having controlled medium particle size and viscosity for paddy field)

IT 577-11-7, **Sodium dioctyl sulfosuccinate**

RL: AGR (Agricultural use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (aqueous suspension herbicide compns. having controlled medium particle size and viscosity for paddy field)

L14 ANSWER 20 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1998:715982 HCAPLUS

DOCUMENT NUMBER: 130:21760

TITLE: Formulations of pesticides coated on wood particles for application to water surface

INVENTOR(S): Isono, Kunihiro; Kobayashi, Norihito; Goto, Toshio

PATENT ASSIGNEE(S): Nippon Bayer Agrochem K. K., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10291902	A2	19981104	JP 1998-21562	19980120
PRIORITY APPLN. INFO.:			JP 1997-48556	19970218

AB Agrochem. formulations for rice paddies powdered blends containing agrochems., alkylnaphthalenesulfonates, dialkyl sulfosuccinates, and lignosulfonates are coated on wood particles, with apparent sp. gr. of .apprx.0.21-0.25 and particle size of .apprx.800-3000 µm, by use of spindle oil. The formulations may contain a filler such as urea. Thus, 1-(2-chlorophenyl)-4-(N-cyclohexyl-N-ethylcarbamoyl)-5(4H)-tetrazolinone 8.87, Me α-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)-O-toluate 6.24, 1-(4,6-dimethoxypyrimidin-2-yl)-3-[1-methyl-4-(2-methyl-2H-tetrazol-5-yl)pyrazol-5-ylsulfonyl]urea 2.56, 1-(α,α-dimethylbenzyl)-3-(p-tolyl)urea 11.67, Na alkylnaphthalenesulfonate 2.00, Na dioctyl sulfosuccinate 5.02, Na lignosulfonate 4.04 parts by weight were ground, mixed, and added to a pan coater filled with 47.60 parts wood granules on which spindle oil (12.00 parts) had been dripped. The formulation was sealed in PVA film to prepare a solid formulation that spreads uniformly over the whole paddy and controls weeds such as Monochoria vaginalis well.

IT 83055-99-6 120162-55-2 122548-33-8

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (formulations of pesticides coated on wood particles for application to

water surface)
IT **577-11-7**, Sodium dioctyl sulfosuccinate **5138-18-1D**,
Sulfosuccinic acid, dialkyl derivs., salts
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(pesticide formulations coated on wood particles for use in rice
fields)

L14 ANSWER 21 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:548497 HCAPLUS
DOCUMENT NUMBER: 129:171860
TITLE: Solid formulations of **sulfonylurea**
herbicides
INVENTOR(S): Bratz, Matthias; Jager, Karl-Friedrich; Berghaus,
Rainer
PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9834482	A1	19980813	WO 1998-EP413	19980204
W: AL, AU, BG, BR, BY, CA, CN, CZ, EE, GE, HU, ID, IL, JP, KR, KZ, LT, LV, MD, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TM, TR, UA, US, UZ, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9862133	A1	19980826	AU 1998-62133	19980204
ZA 9800896	A	19990804	ZA 1998-896	19980204
EP 955809	A1	19991117	EP 1998-904145	19980204
EP 955809	B1	20020515		
R: DE, ES, FR, GB, IT				
BR 9807183	A	20001031	BR 1998-7183	19980204
ES 2176961	T3	20021201	ES 1998-904145	19980204
RU 2203548	C2	20030510	RU 1999-118886	19980204
TW 533058	B	20030521	TW 1998-87101508	19980205
US 6559098	B1	20030506	US 1999-355743	19990804
PRIORITY APPLN. INFO.:			DE 1997-19704276 A	19970205
			WO 1998-EP413	W 19980204

OTHER SOURCE(S): MARPAT 129:171860
AB The invention relates to solid mixts. containing a **sulfonylurea**
herbicide, stabilized by a sulfate or sulfonate surfactant adjuvant.

IT **577-11-7**, Aerosol OT-B
RL: AGR (Agricultural use); MOA (Modifier or additive use); BIOL
(Biological study); USES (Uses)
(adjuvant in solid formulations of **sulfonylurea** herbicides)

IT **142469-14-5**
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(solid formulations of)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 22 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:442023 HCAPLUS
DOCUMENT NUMBER: 129:132560
TITLE: Floating formulations of pesticides coated on calcined
pumice core for easy spreading on rice paddies
INVENTOR(S): Isono, Kunihiro; Kamata, Yasuhiro; Kobayashi,
Norihito; Itsushima, Toshio
PATENT ASSIGNEE(S): Nihon Tokushu Noyaku Seizo K. K., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.

DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10182303	A2	19980707	JP 1997-286217	19971003

PRIORITY APPLN. INFO.: JP 1996-311222 19961108
 AB Pesticide formulations useful for rice paddies comprise powdered blends containing agrochems., alkyl naphthalenesulfonate, dialkyl sulfosuccinate, lignosulfonate, and optionally alkyl sulfate coated on a calcined pumice core of particle size apprx. 500-1400 μm with apparent sp. gr. <1 with use of spindle oil. Thus, a powder was prepared by milling 1-(2-chlorophenyl)-4-(N-cyclohexyl-N-ethylcarbamoyl)-5(4H)-tetrazolinone, Me α -(4,6-dimethoxy pyrimidin-2-yl carbamoylsulfamoyl)-O-toluate, 1-(4,6-dimethoxy pyrimidin-2-yl)-3-[1-methyl-4-(2-methyl-2H-tetrazol-5-yl)pyrazol-5-ylsulfonyl]urea, 1-(α,α -dimethylbenzyl)-3-(p-tolyl)urea, Na alkyl naphthalenesulfonate, Na dioctyl sulfosuccinate, Na lignosulfonate, and urea. After spindle oil was dripped on shirasu balloons in a pan coater, the powdered blend was added to prepare an agrochem. formulation with the powder forming a uniform coating on the shirasu balloons.

IT 83055-99-6 120162-55-2 122548-33-8

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (floating pesticide formulations for rice paddies containing)

IT 577-11-7, Sodium dioctyl sulfosuccinate 5138-18-1D,
 Sulfosuccinic acid, dialkyl derivs., salts

RL: AGR (Agricultural use); MOA (Modifier or additive use); BIOL
 (Biological study); USES (Uses)

(in manufacture of floating pesticide formulations for rice paddies with
 calcined pumice core)

L14 ANSWER 23 OF 38 HCPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1998:442022 HCPLUS
 DOCUMENT NUMBER: 129:157950
 TITLE: Stable aqueous emulsified agrochemical suspensions and
 their manufacture
 INVENTOR(S): Kadowaki, Atsu
 PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10182302	A2	19980707	JP 1997-296644	19971029

PRIORITY APPLN. INFO.: JP 1996-288364 19961030

AB Aqueous emulsified agrochem. suspensions that are stable during long-term storage at low or high temperature under violent shaking contain active ingredient, surfactant, polyvinyl alc., and protein. Such formulations may be manufactured by mixing (1) an emulsified liquid containing a liquid agrochem., water, and ≥ 1 constituent chosen from among protein, polyvinyl alc., and surfactant and (2) a suspension containing a solid agrochem., water, and ≥ 1 constituent chosen from among protein, polyvinyl alc., and surfactant. Thus, sodium caseinate 0.5, Poval PVA 210 0.5, Neocol YSK 0.1, ethylene glycol 8.0, Antifoam E 20 0.2, and Bu p-hydroxybenzoate 0.1 part were mixed in 42.8 parts water, and after addition of 36.9 parts liquid bensulide the mixture was emulsified. Sodium caseinate 1.5 and Antifoam E

20 0.2 parts were mixed in 38.9 parts water, 59.4 parts **imazosulfuron** was added, and a suspension was obtained by wet grinding the mixture. An aqueous emulsified suspension was obtained by mixing 90 parts of the emulsion and 10 parts of the suspension and stirring with a magnetic stirrer. The product did not form aggregates during storage at low temperature (-20°, 1 wk) or high temperature (40°, 1 mo) or during 3 h shaking at room temperature.

IT 122548-33-8, **Imazosulfuron**

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(stable aqueous emulsified agrochem. suspensions and their manufacture)

IT 577-11-7, Neocol YSK

RL: AGR (Agricultural use); MOA (Modifier or additive use); BIOL
(Biological study); USES (Uses)

(stable aqueous emulsified agrochem. suspensions and their manufacture)

L14 ANSWER 24 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1998:293427 HCAPLUS

DOCUMENT NUMBER: 129:8597

TITLE: Embedding and encapsulation of controlled release particles

INVENTOR(S): Van Lengerich, Bernhard H.

PATENT ASSIGNEE(S): Van Lengerich, Bernhard H., USA

SOURCE: PCT Int. Appl., 63 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9818610	A1	19980507	WO 1997-US18984	19971027
W: AU, CA, JP, NO, PL, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9749915	A1	19980522	AU 1997-49915	19971027
AU 744156	B2	20020214		
EP 935523	A1	19990818	EP 1997-912825	19971027
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002511777	T2	20020416	JP 1998-520558	19971027
EP 1342548	A1	20030910	EP 2003-10031	19971027
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
NO 9902036	A	19990428	NO 1999-2036	19990428
PRIORITY APPLN. INFO.:			US 1996-29038P	P 19961028
			US 1997-52717P	P 19970716
			EP 1997-912825	A3 19971027
			WO 1997-US18984	W 19971027

AB Controlled release, discrete, solid particles which contain an encapsulated and/or embedded component such as a heat sensitive or readily oxidizable pharmaceutically, biol., or nutritionally active component are continuously produced without substantial destruction of the matrix material or encapsulant. A release-rate controlling component is incorporated into the matrix to control the rate of release of the encapsulant from the particles. The addnl. component may be a hydrophobic component or a high water binding capacity component for extending the release time. The plasticizable matrix material, such as starch, is admixed with at least one plasticizer, such as water, and at least one release-rate controlling component under low shear mixing conditions to plasticize the plasticizable material without substantially destroying the at least one plasticizable material and to obtain a substantially homogeneous plasticized mass. The plasticizer content is substantially reduced and the temperature of the plasticized mass is substantially reduced

prior to admixing the plasticized mass with the encapsulant to avoid substantial destruction of the encapsulant and to obtain a formable, extrudable mixture. The mixture is extruded through a die without substantial or essentially no expansion and cut into discrete, relatively dense particles. Release properties may also be controlled by precoating the encapsulant and/or coating the extruded particles with a film-forming component. An example of encapsulation of acetylcysteine is given using starch, polyethylene, glycerol monostearate, and vegetable oil.

IT **64-77-7**, Tolbutamide **80-13-7**, Halazone **128-49-4**
, Docusate calcium **577-11-7**, Docusate sodium **1156-19-0**
, Tolazamide

RL: PEP (Physical, engineering or chemical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(embedding and encapsulation of controlled release particles)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L14 ANSWER 25 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:204341 HCAPLUS
DOCUMENT NUMBER: 128:305155
TITLE: Floating pesticide formulations for rice paddies
INVENTOR(S): Hasegawa, Taizo
PATENT ASSIGNEE(S): Takeda Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10081603	A2	19980331	JP 1997-190861	19970716
PRIORITY APPLN. INFO.:			JP 1996-189410	19960718

AB Agrochem. granules or tablets which float on the surface of flooded rice paddies and disintegrate so the active ingredient is dispersed uniformly comprise a min. amount of the active ingredient, a plastic powder with sp. gr. of ≤ 1 , and surfactant having high surface tension-lowering power and may contain a binder. Thus, after mixing 15 parts of water per 100 parts of formulation containing **imazosulfuron** 3.6, NBA-061 12.0, Cellogen 7A 3.0, Neocol YSK 10.0, Newkalgen WG 5 6.0, Newkalgen WG 6 2.0, and Sanwax 131P (polyethylene powder) to 100%, the formulation was granulated and dried, and the granules obtained were coated with PVA film. When dropped into a petri dish filled with water, the granules disintegrated in 10 min and spread over the water; there was no precipitation

IT **577-11-7**
RL: AGR (Agricultural use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
(floating pesticide formulations containing surfactant and plastic powder for rice paddies)

IT **83055-99-6 122548-33-8, Imazosulfuron**
RL: AGR (Agricultural use); PEP (Physical, engineering or chemical process); BIOL (Biological study); PROC (Process); USES (Uses)
(floating pesticide formulations containing surfactant and plastic powder for rice paddies)

L14 ANSWER 26 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1997:259849 HCAPLUS
DOCUMENT NUMBER: 126:234740
TITLE: Stabilized granular **flazasulfuron** herbicidal composition
INVENTOR(S): Maeda, Masaru
PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan

SOURCE: Eur. Pat. Appl., 11 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 764404	A1	19970326	EP 1996-306702	19960916
EP 764404	B1	20010816		
R: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
US 5830827	A	19981103	US 1996-712514	19960913
AT 204133	E	20010915	AT 1996-306702	19960916
ES 2159690	T3	20011016	ES 1996-306702	19960916
PT 764404	T	20011130	PT 1996-306702	19960916
JP 09143015	A2	19970603	JP 1996-269277	19960918
GR 3037055	T3	20020131	GR 2001-401927	20011030

PRIORITY APPLN. INFO.: JP 1995-269469 A 19950921

AB A granular herbicidal composition which comprises **flazasulfuron** or a salt thereof as a herbicidal active ingredient, together with a chemical stabilizer and a carrier. The stabilizer is a dialkylsulfosuccinate and/or benzoate.

IT 104040-78-0, **Flazasulfuron**

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (stabilized granular **flazasulfuron** herbicidal composition)

IT 577-11-7, Sodium dioctylsulfosuccinate 5138-18-1D,

Sulfosuccinic acid, dialkyl derivs. 121183-10-6, Newkalgen EX 70

RL: MOA (Modifier or additive use); USES (Uses)

(stabilized granular **flazasulfuron** herbicidal composition)

L14 ANSWER 27 OF 38 HCPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1996:392056 HCPLUS

DOCUMENT NUMBER: 125:79408

TITLE: Herbicide composition with adjuvant comprising
 acidulated soap stock

INVENTOR(S): Farr, Jennifer; Lee, Phillip K.

PATENT ASSIGNEE(S): Central Soya Co., Inc., USA

SOURCE: U.S., 9 pp., Cont. of U.S. Ser. No. 947, 343,
 abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5521144	A	19960528	US 1994-229999	19940419
			US 1992-947343	19920918

PRIORITY APPLN. INFO.:

AB An adjuvant composition for use in a pesticide formulation that is applied to a substrate comprises acidulated soap stock. A surfactant and/or mixed tocopherols may be added to the adjuvant. The adjuvant increases the efficacy of **sulfonylurea** herbicides. Thus, a 4:1 mixture of acid oil and a surfactant (alkylphenol ethoxylate) was tank mixed at 1.0% with **nicosulfuron** and applied to Johnson grass (*Sorghum halepense*) and giant foxtail (*Setaria faberii*) at 1.5 g ai/A. After 14 days, visual injury was 73 and 93% for Johnson grass and giant foxtail treated with herbicide containing the adjuvant, whereas no injury was observed with herbicide not containing adjuvant.

IT 79277-67-1, **Thifensulfuron** 111991-09-4,

Nicosulfuron 113036-87-6, **Primisulfuron**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(acidulated soap stock-containing adjuvants for formulations of herbicide with improved efficacy)

IT **5138-18-1D**, Sulfosuccinic acid, derivs.

RL: AGR (Agricultural use); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)

(adjuvant for pesticide formulation containing acidulated soap stock and)

L14 ANSWER 28 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1995:347091 HCAPLUS

DOCUMENT NUMBER: 122:125968

TITLE: Herbicide suspensions for rice paddies

INVENTOR(S): Maruyama, Toshiki; Kaji, Takashi

PATENT ASSIGNEE(S): Mitsubishi Petrochemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

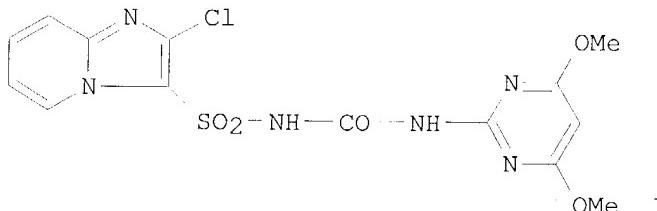
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 06321713	A2	19941122	JP 1993-106780	19930507
PRIORITY APPLN. INFO.:			JP. 1993-106780	19930507

GI



AB A herbicide suspension that dissolves readily in water in rice paddies consists of a **sulfonylurea** derivative (I), a surfactant, dihydrogen potassium phosphate and a thickening agent (e.g., NaH₂PO₄). The composition is stable in storage for a long time at low as well as high temperature

IT **83055-99-6 93697-74-6 94593-91-6**

122548-33-8

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(in herbicide suspension for rice paddies)

IT **128-49-4**, Calcium dioctyl sulfosuccinate

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (surfactant; in herbicide suspension for rice paddies)

L14 ANSWER 29 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1994:48147 HCAPLUS

DOCUMENT NUMBER: 120:48147

TITLE: Solid pesticide preparations containing surfactants, for paddy.

INVENTOR(S): Matsumoto, Naoki; Koko, Toshuki; Kawashima, Mitsuo; Kasai, Yutaka; Shirai, Juta; Suzuki, Koichi

PATENT ASSIGNEE(S): Nissan Chemical Ind Ltd, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05255002	A2	19931005	JP 1992-55367	19920313
PRIORITY APPLN. INFO.:			JP 1992-55367	19920313
AB Solid pesticide preps., applied to paddy at ≤1500 g/10 are, contain 5-30 weight% surfactants. Pyrazosulfuron-Et 0.3, oxadiazon 6.0, Na dialkylsulfosuccinate 1.5, Na tripolyphosphate 2.0, polyoxyethylene alkyl sulfate salt 4.0, bentonite 30, clay 56.2, and H ₂ O 15 weight parts were kneaded and made into granules, which (50 g) were packaged in a PVA film. The preparation (at 2 packages/are) totally controlled Echinochloa crus-galli and Scirpus juncoides, with no damage to rice.				
IT 5138-18-1D	Sulfosuccinic acid, alkyl derivs., salts RL: BIOL (Biological study) (solid pesticide preps. containing, as surfactants, for paddy)			
IT 93697-74-6	Pyrazosulfuron-ethyl RL: BIOL (Biological study) (solid preps. containing surfactants and, for paddy)			

L14 ANSWER 30 OF 38 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1994:2806 HCPLUS
 DOCUMENT NUMBER: 120:2806
 TITLE: Water-soluble pesticidal composition containing a semisulfosuccinate derivative
 INVENTOR(S): Bramatti, Valerio; Marchetto, Antonio
 PATENT ASSIGNEE(S): Rhone-Poulenc Geronazzo S.p.A., Italy
 SOURCE: Eur. Pat. Appl., 10 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 569264	A1	19931110	EP 1993-401004	19930416
EP 569264	B1	19961106		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
FR 2690812	A1	19931112	FR 1992-5520	19920505
AT 144880	E	19961115	AT 1993-401004	19930416
ES 2095595	T3	19970216	ES 1993-401004	19930416
AU 9338265	A1	19931111	AU 1993-38265	19930428
AU 670580	B2	19960725		
JP 07089802	A2	19950404	JP 1993-124759	19930430
JP 2882596	B2	19990412		
BR 9301747	A	19931116	BR 1993-1747	19930504
PRIORITY APPLN. INFO.:			FR 1992-5520	19920505
AB Water-soluble compns. comprise a pesticide or herbicide, preferably glyphosate or its salts, and a semisulfosuccinate RO(AO)nCOR1 [R = C13-20 alkyl; R1 = CH(SO ₃ -M ₁)CH ₂ COO-M or CH ₂ CH(SO ₃ -M ₁)COO-M; M, M ₁ = H, alkali metal, alkaline-earth metal, NH ₄ ; A = C ₂ -4 alkylene; n = 1-10]. Unlike the conventional ethoxylated amines used for these formulations, the semisulfosuccinates are nontoxic, biodegradable, and compatible with many pesticides.				
IT 5138-18-1D	Sulfosuccinic acid, derivs. RL: BIOL (Biological study) (glyphosate salt formulations containing)			

L14 ANSWER 31 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1993:207562 HCAPLUS
 DOCUMENT NUMBER: 118:207562
 TITLE: Wettable powder herbicides for paddy.
 INVENTOR(S): Suzuki, Toshikazu; Maeda, Yasuhiro; Watanabe, Tsukasa;
 Yamada, Yuji
 PATENT ASSIGNEE(S): Sds Biotech Corp, Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05017305	A2	19930126	JP 1991-188237	19910703
PRIORITY APPLN. INFO.:			JP 1991-188237	19910703
AB	The title herbicides, containing active ingredients and surfactants, are directly applied to water-filled paddy, at transplanting. Spreadability and dispersibility of the active ingredients are improved. A granular wettable powder was prepared from dymron 21, radiolite 200 65, Newkalgen RX-B (Na ligninsulfonate) 10, and Newkalgen EX-70 (Na dioctylsulfosuccinate) 4 weight parts. The wettable powder was applied to water surface of paddy, in a pot experiment, at 2 kg/10 are, at 3 days after transplantation, to show no damage on rice after 15 days.			
IT	83055-99-6, Bensulfuron-methyl 93697-74-6, Pyrazosulfuron-ethyl RL: BIOL (Biological study) (herbicidal wettable powders containing surfactants and, for paddy)			
IT	577-11-7, Airrol CT1 RL: BIOL (Biological study) (herbicidal wettable powders containing, for paddy)			

L14 ANSWER 32 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1992:464842 HCAPLUS
 DOCUMENT NUMBER: 117:64842
 TITLE: Herbicide granules containing **sulfonylureas**, calcium carbonate, and dialkyl sulfosuccinates, for paddy.
 INVENTOR(S): Kasai, Yutaka; Kawashima, Mitsuo
 PATENT ASSIGNEE(S): Nissan Kagaku Kogyo K. K., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 04066509	A2	19920302	JP 1990-172410	19900629
PRIORITY APPLN. INFO.:			JP 1990-172410	19900629
OTHER SOURCE(S):	MARPAT 117:64842			
AB	Hydrophobic herbicidal granules, which disintegrate in water, contain sulfonylureas , mineral fine powders, mainly CaCO ₃ , ROCOCH ₂ CH(CO ₂ R)SO ₃ X [I; R = C ₁₁ -20 (branched) alkyl; X = H, monovalent metal, NH ₃], and optional herbicides effective against Echinochloa crus-galli. The granules are manufactured by extrusion. N-[(4,6-Dimethoxypyrimidin-2-yl)aminocarbonyl]-4-ethoxycarbonyl-1-methylpyrazole-5-sulfonamide 7, paraffin wax 100, and CaCO ₃ 100 weight parts were made into fine particles, which (2.07 weight parts) were mixed with CaCO ₃ 79.93,			

- bentonite 12, I (R = C13H27, X = Na) 1, and Na ligninsulfonate 5 weight parts and made into granules. The granules did not float on water.
- IT 2673-22-5 27205-20-5
 RL: BIOL (Biological study)
 (herbicide granule containing **sulfonylureas** and calcium carbonate and, for paddy)
- IT 83055-99-6 93697-74-6
 RL: BIOL (Biological study)
 (herbicide granules containing calcium carbonate and sulfosuccinates and, for paddy)

L14 ANSWER 33 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1991:530089 HCAPLUS
 DOCUMENT NUMBER: 115:130089
 TITLE: Pesticidal dispersible granules containing solid wetting agent
 INVENTOR(S): Roechling, Hans; Kocur, Jean; Albrecht, Konrad
 PATENT ASSIGNEE(S): Hoechst A.-G., Germany
 SOURCE: Eur. Pat. Appl., 15 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 413267	A1	19910220	EP 1990-115360	19900810
EP 413267	B1	19971112		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE				
DE 3926800	A1	19910221	DE 1989-3926800	19890814
AT 160071	E	19971115	AT 1990-115360	19900810
ES 2110954	T3	19980301	ES 1990-115360	19900810
AU 9060925	A1	19910214	AU 1990-60925	19900813
AU 648038	B2	19940414		
ZA 9006382	A	19910529	ZA 1990-6382	19900813
JP 03193702	A2	19910823	JP 1990-211760	19900813
DD 297055	A5	19920102	DD 1990-343417	19900813
PRIORITY APPLN. INFO.:			DE 1989-3926800	19890814

AB Water-dispersible granules contain pesticide 10-90, ≥1 solid wetting agent (alkanesulfonate, alkyl sulfate, alkyl naphthalenesulfonate, etc.) 10-90, and additives (carrier, filler, binder, etc.) 0-50%. A formulation made of D,L-fenoxypropethyl (96.8%) 9.3, Hostapur OS (C14-19 Na olefinsulfonate) 33.45, defoamer SE 2 0.90, Hoe S 1494 (cresol-formaldehyde condensation product) 1.35, and water 55% by weight was granulated and spray-dried.

- IT 74223-64-6, Granstar
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (water-dispersible granules of)
- IT 5138-18-1D, alkyl derivs.
 RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
 (wetting agent, for water-dispersible pesticide granules)

L14 ANSWER 34 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1982:194591 HCAPLUS
 DOCUMENT NUMBER: 96:194591
 TITLE: Single extraction for the recovery of basic, neutral and weakly acidic drugs from greyhound dog urine
 AUTHOR(S): Hill, Dennis W.; Kelley, Thomas R.; Matiuck, Sylvia W.; Langner, Karen J.; Phillips, Deborah E.
 CORPORATE SOURCE: Coll. Agric. Natl. Resour., Univ. Connecticut, Storrs, CT, 06268, USA
 SOURCE: Analytical Letters (1982), 15(B2), 193-204

CODEN: ANALBP; ISSN: 0003-2719

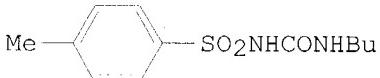
DOCUMENT TYPE: Journal
 LANGUAGE: English

AB Na dioctylsulfosuccinate [577-11-7] Was used as a counterion for extracting basic drugs from the urine of greyhound racing dogs at neutral pH; thus, allowing simultaneous extraction of weakly acidic drugs. The extraction solvent was 3:1 (volume/volume) CHCl₃-2-propanol. The urine extraction residue was chromatographed (TLC) using (70:24:10) hexane-AcOH-toluene or (83:12:5) EtOAc-MeOH-NH₄OH as the developing solvents.

IT 577-11-7
 RL: BIOL (Biological study)
 (extracting drugs from greyhound dog urine with, as counterion)
 IT 64-77-7
 RL: ANST (Analytical study)
 (extraction of, from greyhound dog urine, paired-ion method for)

L14 ANSWER 35 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1981:538525 HCAPLUS
 DOCUMENT NUMBER: 95:138525
 TITLE: In vitro and in vivo availability of tolbutamide tablets
 AUTHOR(S): El-Shattawy, H.; Kassem, A.; Abdel-All, M.; Fawzi, A.
 CORPORATE SOURCE: Fac. Med., Al-Azhar Univ., Cairo, Egypt
 SOURCE: Scientia Pharmaceutica (1981), 49(2), 162-71
 CODEN: SCPHA4; ISSN: 0036-8709
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 GT



AB Directly compressed tolbutamide (I) [64-77-7] tablets had a faster dissoln. rate than those prepared by wet granulation. The bioavailability of I correlated with the dissoln. rate. Directly compressed I containing 0.4% dioctyl Na sulfosuccinate [577-11-7] showed a faster dissoln. rate than other formulations. Dissoln. rates of I tablets increased with addition of polyethylene glycols (PEG) in the following order: PEG 4000 > PEG 20,000 > PEG 6000. Addition of poly(vinylpyrrolidinone) [9003-39-8] also improved the dissoln. rates of I tablets.

IT 64-77-7
 RL: BIOL (Biological study)
 (tablets, bioavailability and solution rate of)
 IT 577-11-7
 RL: BIOL (Biological study)
 (tolbutamide tablets bioavailability and solution rate in relation to)

L14 ANSWER 36 OF 38 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1980:501393 HCAPLUS
 DOCUMENT NUMBER: 93:101393
 TITLE: A study on the weight variation test of tablets
 AUTHOR(S): Kitazawa, Shikifumi; Johno, Ikuo; Obata, Hideo; Maeda, Atsushi; Mizugaki, Ichiro
 CORPORATE SOURCE: Dep. Pharm., Kyoto Univ. Hosp., Kyoto, 606, Japan
 SOURCE: Yakugaku Zasshi (1979), 99(12), 1168-75
 CODEN: YKKZAJ; ISSN: 0031-6903
 DOCUMENT TYPE: Journal
 LANGUAGE: Japanese

AB Fifty-four brands of com., uncoated and coated tablets were selected at random and subjected to the weight variation test of the Japanese Pharmacopeia (J.P.IX). For comparison purposes, four formulated uncoated tablets, were included in this study. All uncoated tablets complied with the requirements of the J.P.IX. Variations in tablet weight, presented as standard deviation and/or range, increased with the average weight increase of the tablets. However, the variations were considerably less than the requirements. This suggests that the requirements should be updated since they do not adapt to present status of table formulations. More than 80% of the coated tablets complied with the requirements which are applied only to uncoated tablets in the J.P.IX. It was apparent that the variations in coated tablets were not as small as those of uncoated tablets; however, the fact that more than 80% of the coated tablets complied with the J.P. requirements suggests that some requirement should be established for the coated preps.

IT **64-77-7 577-11-7**

RL: BIOL (Biological study)
(tablets, weight variation test of)

L14 ANSWER 37 OF 38 HCPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1966:456140 HCPLUS
DOCUMENT NUMBER: 65:56140
ORIGINAL REFERENCE NO.: 65:10434g-h,10435a
TITLE: Compositions for reducing hypertension
PATENT ASSIGNEE(S): Abbott Laboratories
SOURCE: 3 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1033519		19660622	GB	
PRIORITY APPLN. INFO.:		US		19631114

GI For diagram(s), see printed CA Issue.

AB Thiatriazoles of the formula I, where R is Ph, benzyl, alkylphenyl, alkoxyphenyl, or halophenyl, is mixed with a pharmaceutically acceptable carrier. For example, 60 g. I (R = p-methoxyphenyl) (II) is mixed with 260.72 g. milk sugar and passed through a 30-mesh screen. Acacia (4.80 g.) is dissolved in 25 ml. H₂O and added to the first mixture. The wet mass is granulated through a 6-mesh screen, dried at 50° overnight, and ground to 20 mesh. Corn starch (38.4 g.), 10.52 g. talc, and 6.56 g. stearic acid are added to the dried granulation, passed through a 40-mesh screen, mixed thoroughly, and compressed into tablets containing 25 mg. each of II. When administered orally, rectally, or parenterally to animals, an immediate and prolonged drop in blood pressure results. Used intravenously, the dosage is 1-10 mg./kg. daily. Orally or rectally, the dosage varies from 10 to 60 mg./kg. daily.

IT **577-11-7**, Succinic acid, sulfo-, bis(2-ethylhexyl) ester S-Na salt (blood sugar lowering by drug containing)

IT **64-77-7**, Urea, 1-butyl-3-(p-tolylsulfonyl)- **1034-82-8**, Urea, 1-cycloheptyl-3-(p-tolylsulfonyl)- (pharmaceutical containing, for lowering of blood sugar)

L14 ANSWER 38 OF 38 HCPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1948:38881 HCPLUS
DOCUMENT NUMBER: 42:38881
ORIGINAL REFERENCE NO.: 42:8253e-i
TITLE: Leptospira icterohaemorrhagiae. IV. Survival in water and sewage: destruction in water by halogen compounds, synthetic detergents, and heat
AUTHOR(S): Chang, Shih Lu; Buckingham, M.; Taylor, M. P.

CORPORATE SOURCE: Harvard Univ.
 SOURCE: Journal of Infectious Diseases (1948), 82, 256-66
 CODEN: JIDIAQ; ISSN: 0022-1899

DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable

AB cf. C.A. 41, 7444i. Culture-produced *L. icterohaemorrhagiae* survived in river water 8-9 days at 5-6°, 5-6 days at 25-27°, and 3-4 days at 31-32°. In tap water without bacterial contamination they survived over 4 weeks at pH 7 when a small amount of food substance was present. In tap water with air contamination, the survival period was cut almost in half. Both low and high pH values are detrimental. In sewage, the survival time was 12-14 hrs.; it rose to 7-8 days when the sewage was diluted with tap H₂O to 1% of its strength. The survival in sea water was 18-20 hrs. when the salt concentration was 2.2%. Elemental I destroyed all the Leptospira in H₂O containing 3 million organisms per ml. in 1 min. when the residual I was 5 parts per million, in 5 min. when the residual I was between 0.5 and 2 parts per million, and in 10 min. when the residual I was 0.7 parts per million. Halazone at pH 7 and 25-26° killed all the Leptospira in 1 min. when the residual Cl₂ was 3.5 parts per million and in 3 min. when the residual Cl₂ was 1 part per million. At pH 5.0 and 25-26° Ca(OCl)₂ killed all the Leptospira in 1 and 3 mins. when the Cl₂ residuals were 0.5 and 0.3 parts per million, resp. At pH 8.0, the leptospiricidal residuals for the 1- and 3-min. contacts were 6 and 3 parts per million, resp. Ceepryn, Fixanol, and Sapamine at pH 7 and 25-26° killed all the Leptospira in 5, 10, 30, and 60 min. at average doses of 30, 20, 10, and 7 parts per million, resp. Aersol-OT and Tergitol-4T did not kill all organisms at these contact times until dosages of 1,500, 1,250, 1,000, and 1,000 parts per million were reached. The thermal death points of the Leptospira in distilled H₂O were 25-30 min. at 45°, 5-10 min. at 50°, 10 sec. at 60°, and less than 10 sec. at 70°. Thus *L. icterohaemorrhagiae* is less resistant to disinfectants and heat than are most of the nonsporulating pathogenic bacteria.

IT 80-13-7, Halazone 577-11-7, Aerosol OT
 (Leptospira icterohaemorrhagiae destruction by)

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=> select hit rn l14 1-38
 E1 THROUGH E37 ASSIGNED

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 DICTIONARY FILE UPDATES: 8 JUN 2004 HIGHEST RN 690955-30-7

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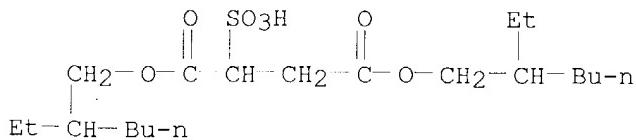
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L16 ANSWER 1 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
RN 121183-10-6 REGISTRY
CN Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt, mixt.
with sodium benzoate (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzoic acid, sodium salt, mixt. contg. (9CI)
OTHER NAMES:
CN Monawet MO 85P
CN Newkalgen EX 70
DR 155328-19-1
MF C20 H38 O7 S . C7 H6 O2 . 2 Na
CI MXS
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); USES (Uses)

CM 1

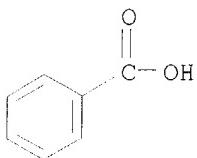
CRN 577-11-7 (10041-19-7)
CMF C20 H38 O7 S . Na



● Na

CM 2

CRN 532-32-1 (65-85-0)
CMF C7 H6 O2 . Na



● Na

5 REFERENCES IN FILE CA (1907 TO DATE)
 5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 135:293358

REFERENCE 2: 127:30414

REFERENCE 3: 126:234740

REFERENCE 4: 123:289777

REFERENCE 5: 111:26952

L16 ANSWER 2 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 39354-45-5 REGISTRY

CN Poly(oxy-1,2-ethanediyl), α -(3-carboxy-1-oxo-3-sulfopropyl)- ω -(dodecyloxy)-, disodium salt (9CI) (CA INDEX NAME)

DR 170809-72-0

MF (C₂H₄O)_n C₁₆H₃₀O₇S . 2 Na

CI PMS

PCT Polyether

LC STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, CIN, CSCHEM, DIOGENES,
 IFICDB, IFIPAT, IFIUDB, MSDS-OHS, PROMT, RTECS*, USPATFULL
 (*File contains numerically searchable property data)

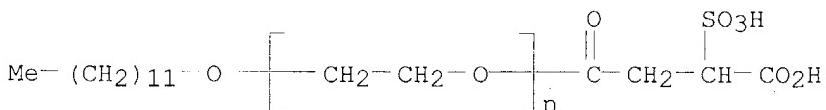
Other Sources: DSL**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAplus document type: Conference; Journal; Patent

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 OCCU (Occurrence); PREP (Preparation); PROC (Process); RACT (Reactant or
 reagent); USES (Uses)

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
 PROC (Process); PRP (Properties); USES (Uses)



●2 Na

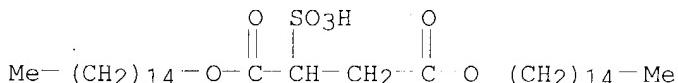
56 REFERENCES IN FILE CA (1907 TO DATE)
 56 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 138:311467

REFERENCE 2: 135:124156

REFERENCE 3: 133:198390
 REFERENCE 4: 133:139910
 REFERENCE 5: 131:117728
 REFERENCE 6: 130:316425
 REFERENCE 7: 130:82878
 REFERENCE 8: 129:249974
 REFERENCE 9: 129:101860
 REFERENCE 10: 127:253195

L16 ANSWER 3 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
 RN **27205-20-5** REGISTRY
 CN Butanedioic acid, sulfo-, 1,4-dipentadecyl ester, sodium salt (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Succinic acid, sulfo-, dipentadecyl ester, sodium salt (8CI)
 MF C34 H66 O7 S . Na
 LC STN Files: CA, CAPLUS
 DT.CA CAplus document type: Journal; Patent
 RL.P Roles from patents: BIOL (Biological study)
 RL.NP Roles from non-patents: PRP (Properties)
 CRN (119495-55-5)



● Na

4 REFERENCES IN FILE CA (1907 TO DATE)
 4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 117:145360
 REFERENCE 2: 117:64842
 REFERENCE 3: 109:33866
 REFERENCE 4: 99:219222

L16 ANSWER 4 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
 RN **5138-18-1** REGISTRY
 CN Butanedioic acid, sulfo- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Succinic acid, sulfo- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN 2-Sulfosuccinic acid
 CN Sulfosuccinic acid
 FS 3D CONCORD
 DR 55904-24-0, 181719-29-9
 MF C4 H6 O7 S
 CI COM

LC STN Files: BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAOLD,
 CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE,
 GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, PROMT, TOXCENTER, USPAT2,
 USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
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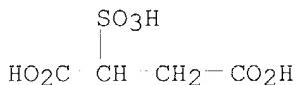
DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
 study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence);
 PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
 study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation);
 PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES
 (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1307 REFERENCES IN FILE CA (1907 TO DATE)
 996 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1309 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 140:362998
 REFERENCE 2: 140:341003
 REFERENCE 3: 140:324936
 REFERENCE 4: 140:323066
 REFERENCE 5: 140:309488
 REFERENCE 6: 140:305809
 REFERENCE 7: 140:305539
 REFERENCE 8: 140:298915
 REFERENCE 9: 140:275767
 REFERENCE 10: 140:258647

L16 ANSWER 5 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 2673-22-5 REGISTRY
 CN Butanedioic acid, sulfo-, 1,4-ditridedecyl ester, sodium salt (9CI) (CA
 INDEX NAME)
 OTHER CA INDEX NAMES:

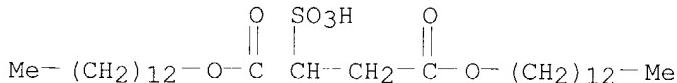
CN Succinic acid, sulfo-, 1,4-ditridodecyl ester, sodium salt (8CI)
 CN Succinic acid, sulfo-, ditridodecyl ester, S-sodium salt (7CI)
 CN Succinic acid, sulfo-, ditridodecyl ester, sodium salt (6CI)

OTHER NAMES:

CN Aerosol TR
 CN Aerosol TR 70
 CN Aerosol TR-AM
 CN Bis(tridecyl) sodiosulfosuccinate
 CN Bis(tridecyl) sodium sulfosuccinate
 CN Ditridecyl sodiosulfosuccinate
 CN Ditridecyl sodium sulfosuccinate
 CN Monawet MT
 CN Monawet MT 70
 CN NSC 7783
 CN Pelex TRB
 CN Plex TR
 CN Sodium 1,4-ditridodecyl sulfosuccinate
 CN Sodium bis(tridecyl) sulfosuccinate
 CN Sodium ditridodecyl sulfosuccinate
 CN Sodium tridecyl sulfosuccinate
 CN TR 70
 DR 52624-82-5
 MF C30 H58 O7 S . Na
 CI COM
 LC STN Files: CA, CAOLD, CAPLUS, CHEMCATS, CHEMLIST, CSCHEM, IFICDB,
 IFIPAT, IFIUDB, NIOSHTIC, TOXCENTER, USPAT2, USPATFULL
 Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses);
 NORL (No role in record)
 RLD.P Roles for non-specific derivatives from patents: USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); OCCU (Occurrence); PROC (Process); PRP (Properties); USES
 (Uses); NORL (No role in record)
 CRN (18271-58-4)



● Na

131 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 131 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE	1:	140:391878
REFERENCE	2:	138:108708
REFERENCE	3:	137:346926
REFERENCE	4:	137:34131
REFERENCE	5:	136:342204

REFERENCE 6: 136:326376

REFERENCE 7: 135:79264

REFERENCE 8: 135:29821

REFERENCE 9: 134:87676

REFERENCE 10: 134:72910

L16 ANSWER 6 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN

RN 577-11-7 REGISTRY

CN Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt (9CI)
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Aerosol OT-B (6CI)

OTHER NAMES:

CN 1,4-Bis(2-ethylhexyl) sodium sulfosuccinate

CN Adekacol EC 8600

CN Aerosol A 501

CN Aerosol AOT

CN Aerosol GPG

CN Aerosol OT

CN Aerosol OT 100

CN Aerosol OT 70PG

CN Aerosol OT 75

CN Aerosol OT 75PG

CN Aerosol OT 94

CN Aerosol OT-A

CN Aerosol OT-S

CN Airrol CT 1

CN Airrol CT 1L

CN Airrol OP

CN Alcopol O

CN Alkasurf SS-O 75

CN Alphasol OT

CN AOT

CN AOT 100

CN AOT I

CN Astrowet 608

CN Astrowet O 70PG

CN Astrowet O 75

CN B 80

CN Berol 478

CN Bis(2-ethylhexyl) S-sodium sulfosuccinate

CN Bis(2-ethylhexyl) sodiosulfosuccinate

CN Bis(2-ethylhexyl) sodium sulfosuccinate

CN Bis(2-ethylhexyl) sulfosuccinate sodium salt

CN Carabon DA 72

CN Celanol DOS 65

CN Celanol DOS 75

CN Colace

CN Comfolax

CN Complemix

CN Constoneate

CN Coprol

CN Coprola

CN Correctol Stool Softener Laxative

CN Defilin

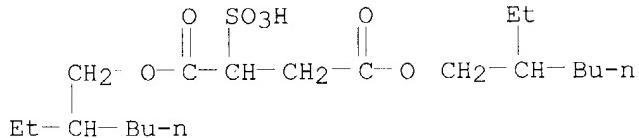
CN DESS

CN Di(2-ethylhexyl) sulfosuccinate sodium salt

CN Di-2-ethylhexyl sodium sulfosuccinate

CN Dialose

CN Dioctlyn
 CN Dioctyl
 CN Dioctyl sodium sulfosuccinate
 ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for
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 DR 59030-04-5, 60202-21-3, 130390-93-1, 66812-62-2, 105956-73-8, 106396-28-5,
 113255-61-1, 51910-13-5, 135843-72-0, 67924-68-9, 138893-51-3, 76689-26-4,
 75418-10-9, 78207-03-1, 52624-44-9, 53023-94-2, 110162-65-7, 201816-76-4,
 202352-75-8, 209453-97-4
 MF C20 H38 O7 S . Na
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS,
 BIOSIS, BIOTECHNO, CA, CABAB, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DIOGENES,
 DRUGU, EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA,
 MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, PROUSDDR, PS, RTECS*, TOXCENTER,
 USAN, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA CAplus document type: Conference; Dissertation; Journal; Patent;
 Preprint; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses);
 NORL (No role in record)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
 study); PREP (Preparation); PROC (Process); PRP (Properties); USES
 (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
 study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP
 (Properties); RACT (Reactant or reagent); USES (Uses)
 CRN (10041-19-7)



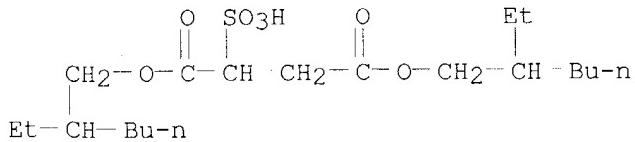
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7243 REFERENCES IN FILE CA (1907 TO DATE)
 39 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 7257 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 16 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE	1:	140:395551
REFERENCE	2:	140:394816
REFERENCE	3:	140:392885
REFERENCE	4:	140:392673

REFERENCE 5: 140:391878
 REFERENCE 6: 140:387725
 REFERENCE 7: 140:383298
 REFERENCE 8: 140:383050
 REFERENCE 9: 140:381202
 REFERENCE 10: 140:381079

L16 ANSWER 7 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
 RN **128-49-4** REGISTRY
 CN Butanedioic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, calcium salt (9CI)
 (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Succinic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, calcium salt (8CI)
 OTHER NAMES:
 CN Bis(2-ethylhexyl) calcium sulfosuccinate
 CN Bis(2-ethylhexyl) sulfosuccinic acid calcium salt
 CN Calcium bis(2-ethylhexyl) sulfosuccinate
 CN Calcium di-2-ethylhexyl sulfosuccinate
 CN Calcium dioctyl sulfosuccinate
 CN Dioctyl calcium sulfosuccinate
 CN Docusate calcium
 CN Doxical
 CN Sulfosuccinic acid, bis(2-ethylhexyl) ester, calcium salt
 CN Surfak
 MF C20 H38 O7 S . 1/2 Ca
 LC STN Files: ADISNEWS, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAPLUS,
 CHEMLIST, CIN, DDFU, DIOGENES, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB,
 IPA, MRCK*, PROMT, PS, TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA CAplus document type: Conference; Journal; Patent
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 PREP (Preparation); PROC (Process); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses)
 CRN (10041-19-7)



● 1/2 Ca

101 REFERENCES IN FILE CA (1907 TO DATE)
 101 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:205143
 REFERENCE 2: 140:187383

REFERENCE 3: 140:151946
 REFERENCE 4: 140:105290
 REFERENCE 5: 140:99631
 REFERENCE 6: 140:99630
 REFERENCE 7: 140:99626
 REFERENCE 8: 140:47538
 REFERENCE 9: 139:73737
 REFERENCE 10: 137:11003

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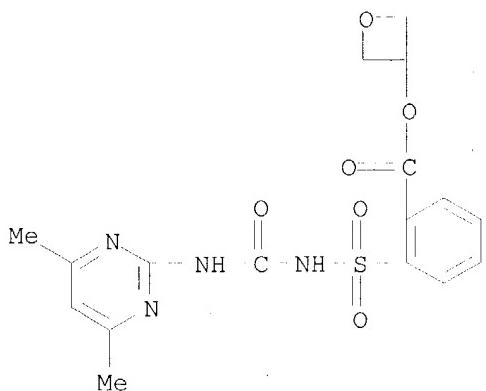
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 L16 7 S L15 AND L3
 L17 30 S L15 NOT L16

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L17 ANSWER 1 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN
 RN **144651-06-9** REGISTRY
 CN Benzoic acid, 2-[[[[(4,6-dimethyl-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-, 3-oxetanyl ester (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN CGA 277476
 CN EP-A 0496701
 CN Expert
 CN Oxasulfuron
 MF C17 H18 N4 O6 S
 CI COM
 SR CA
 LC STN Files: AGRICOLA, ANABSTR, BIOSIS, CA, CAPLUS, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, DIOGENES, PIRA, PROMT, TOXCENTER, USPAT2, USPATFULL
 DT.CA CAplus document type: Dissertation; Journal; Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PRP (Properties); USES (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

63 REFERENCES IN FILE CA (1907 TO DATE)
 26 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 63 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:248744
 REFERENCE 2: 140:141104
 REFERENCE 3: 140:787
 REFERENCE 4: 139:392486
 REFERENCE 5: 139:334291
 REFERENCE 6: 139:64821
 REFERENCE 7: 139:18607
 REFERENCE 8: 138:267210
 REFERENCE 9: 138:267186
 REFERENCE 10: 138:233416

L17 ANSWER 2 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN 142469-14-5 REGISTRY

CN Benzenesulfonamide, N-[[[4-methoxy-6-(trifluoromethyl)-1,3,5-triazin-2-yl]amino]carbonyl]-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN BAS 635
 CN LAB 271272
 CN Tritosulfuron
 DR 257287-30-2
 MF C13 H9 F6 N5 O4 S
 CI COM
 SR CA

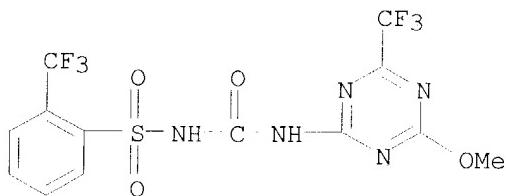
LC STN Files: CA, CAPLUS, CBNB, TOXCENTER, USPAT2, USPATFULL
 DT.CA CAplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)

RL.NP Roles from non-patents: BIOL (Biological study); OCCU (Occurrence); PROC (Process); USES (Uses)

RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

57 REFERENCES IN FILE CA (1907 TO DATE)
 34 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 57 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:248744

REFERENCE 2: 140:194906

REFERENCE 3: 140:159049

REFERENCE 4: 140:159047

REFERENCE 5: 140:124047

REFERENCE 6: 140:106955

REFERENCE 7: 140:89300

REFERENCE 8: 139:360355

REFERENCE 9: 139:334322

REFERENCE 10: 139:241692

L17 ANSWER 3 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN 135990-29-3 REGISTRY

CN Benzoic acid, 2-[[[4-(dimethylamino)-6-(2,2,2-trifluoroethoxy)-1,3,5-triazin-2-yl]amino]carbonyl]amino]sulfonyl]-3-methyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Debut

CN Triflusulfuron

MF C16 H17 F3 N6 O6 S

CI COM

SR CAS Client Services

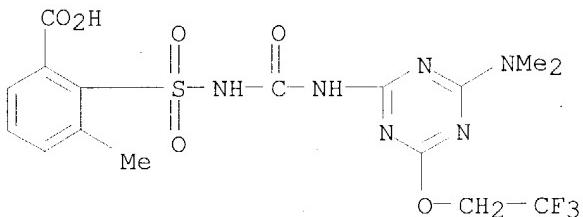
LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, CA, CAPLUS, CBNB, TOXCENTER, USPAT2, USPATFULL

DT.CA CAplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

36 REFERENCES IN FILE CA (1907 TO DATE)
 12 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 36 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:787
 REFERENCE 2: 139:225814
 REFERENCE 3: 139:145110
 REFERENCE 4: 139:64821
 REFERENCE 5: 138:267186
 REFERENCE 6: 138:68344
 REFERENCE 7: 138:34679
 REFERENCE 8: 137:274424
 REFERENCE 9: 137:221539
 REFERENCE 10: 136:290486

L17 ANSWER 4 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN 135397-30-7 REGISTRY

CN 1H-Pyrazole-4-carboxylic acid, 3-chloro-5-[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-1-methyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Halosulfuron

FS 3D CONCORD

MF C12 H13 Cl N6 O7 S

CI COM

SR CAS Client Services

LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, CBNB, RTECS*, TOXCENTER, USPAT2, USPATFULL

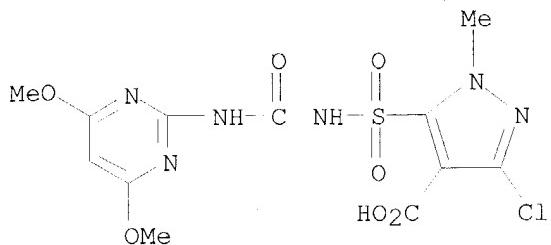
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DT.CA CAplus document type: Dissertation; Journal; Patent

RL.P Roles from patents: BIOL (Biological study); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

86 REFERENCES IN FILE CA (1907 TO DATE)
 24 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 86 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:387282

REFERENCE 2: 140:387280

REFERENCE 3: 140:370191

REFERENCE 4: 140:316557

REFERENCE 5: 140:212481

REFERENCE 6: 140:159049

REFERENCE 7: 140:37378

REFERENCE 8: 140:787

REFERENCE 9: 139:303268

REFERENCE 10: 139:241692

L17 ANSWER 5 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN 126801-58-9 REGISTRY

CN Sulfamic acid, [(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-, 2-ethoxyphenyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Ethoxysulfuron

CN HOE 095404

FS 3D CONCORD

MF C15 H18 N4 O7 S

CI COM

SR CA

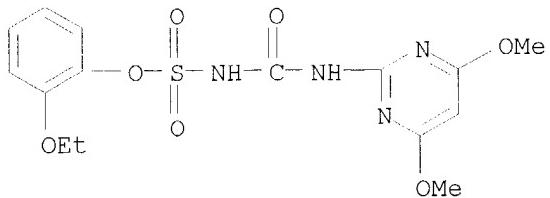
LC STN Files: ANABSTR, BIOSIS, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, PROMT, TOXCENTER, USPAT2, USPATFULL

DT.CA CAplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); PROC (Process); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

90 REFERENCES IN FILE CA (1907 TO DATE)
 43 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 90 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:370175
 REFERENCE 2: 140:248744
 REFERENCE 3: 140:194867
 REFERENCE 4: 140:159047
 REFERENCE 5: 140:141108
 REFERENCE 6: 140:141104
 REFERENCE 7: 140:124047
 REFERENCE 8: 140:106955
 REFERENCE 9: 140:89300
 REFERENCE 10: 139:272374

L17 ANSWER 6 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN 122931-48-0 REGISTRY

CN 2-Pyridinesulfonamide, N-[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-3-(ethylsulfonyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN DPX-E 9636

CN Matrix

CN Rimsulfuron

CN Tarot

CN Titus

CN Titus (pesticide)

MF C14 H17 N5 O7 S2

CI COM

SR CA

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, CA, CAPLUS, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, MRCK*, PROMT, RTECS*, TOXCENTER, ULIDAT, USPAT2, USPATFULL

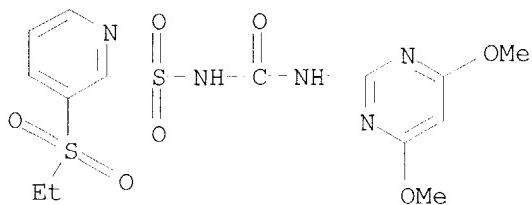
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DT.CA CAplus document type: Conference; Dissertation; Journal; Patent

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

326 REFERENCES IN FILE CA (1907 TO DATE)
 55 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 327 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:387280
 REFERENCE 2: 140:357359
 REFERENCE 3: 140:248744
 REFERENCE 4: 140:199329
 REFERENCE 5: 140:194867
 REFERENCE 6: 140:159049
 REFERENCE 7: 140:159047
 REFERENCE 8: 140:158867
 REFERENCE 9: 140:141108
 REFERENCE 10: 140:141104

L17 ANSWER 7 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN 122548-33-8 REGISTRY

CN Imidazo[1,2-a]pyridine-3-sulfonamide, 2-chloro-N-[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Imazosulfuron

CN Takeoff

CN TH 913

FS 3D CONCORD

MF C14 H13 Cl N6 O5 S

CI COM

SR CA

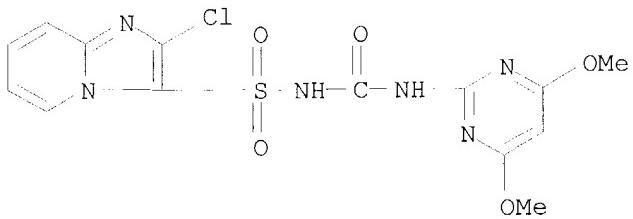
LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CAPLUS, CBNB, CEN, CHEMLIST, CIN, MRCK*, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

DT.CA CAplus document type: Conference; Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

194 REFERENCES IN FILE CA (1907 TO DATE)
 64 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 194 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:370625
 REFERENCE 2: 140:298921
 REFERENCE 3: 140:266097
 REFERENCE 4: 140:248744
 REFERENCE 5: 140:204630
 REFERENCE 6: 140:194906
 REFERENCE 7: 140:159047
 REFERENCE 8: 140:141108
 REFERENCE 9: 140:141104
 REFERENCE 10: 140:124047

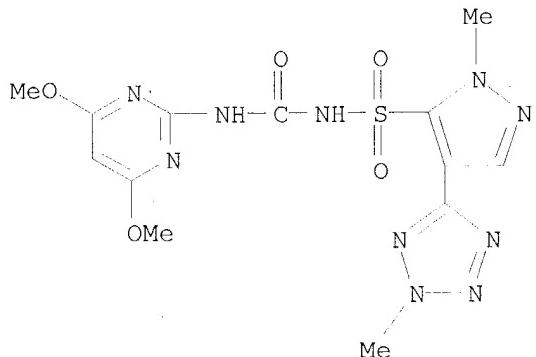
L17 ANSWER 8 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 120162-55-2 REGISTRY
 CN 1H-Pyrazole-5-sulfonamide, N-[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-1-methyl-4-(2-methyl-2H-tetrazol-5-yl)- (9CI)
 (CA INDEX NAME)

OTHER NAMES:

CN Azimsulfuron
 CN DPX 47
 CN DPX-A 8947
 CN IN-A 8947
 FS 3D CONCORD
 MF C13 H16 N10 O5 S
 CI COM
 SR CA
 LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CAPLUS, CBNB, CHEMLIST, MEDLINE, MRCK*, NIOSHTIC, RTECS*, TOXCENTER, ULIDAT, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

DT.CA CAplus document type: Conference; Journal; Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological

RL.NP study); USES (Uses)
 Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

130 REFERENCES IN FILE CA (1907 TO DATE)
 51 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 131 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:352018
 REFERENCE 2: 140:248744
 REFERENCE 3: 140:159047
 REFERENCE 4: 140:141108
 REFERENCE 5: 140:124047
 REFERENCE 6: 140:106955
 REFERENCE 7: 140:89300
 REFERENCE 8: 140:787
 REFERENCE 9: 139:392464
 REFERENCE 10: 139:272374

L17 ANSWER 9 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

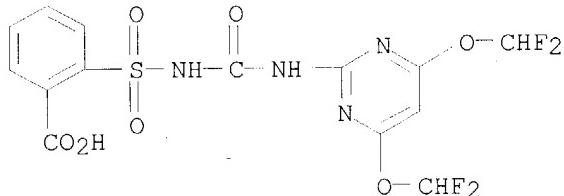
RN 113036-87-6 REGISTRY
 CN Benzoic acid, 2-[[[[4,6-bis(difluoromethoxy)-2-

pyrimidinyl]amino]carbonyl]amino]sulfonyl]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Primisulfuron
 MF C14 H10 F4 N4 O7 S
 CI COM
 SR CAS Client Services
 LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CAPLUS, CEN, CIN,
 TOXCENTER, USPAT2, USPATFULL
 DT.CA Caplus document type: Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: BIOL (Biological study); USES (Uses)

- RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)
- RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
- RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PRP (Properties)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

212 REFERENCES IN FILE CA (1907 TO DATE)
 33 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 212 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE	1:	140:370191
REFERENCE	2:	140:199329
REFERENCE	3:	140:141108
REFERENCE	4:	140:141050
REFERENCE	5:	140:72560
REFERENCE	6:	140:787
REFERENCE	7:	139:360362
REFERENCE	8:	139:303256
REFERENCE	9:	139:241692
REFERENCE	10:	139:64821

L17 ANSWER 10 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN
 RN **111991-09-4** REGISTRY
 CN 3-Pyridinecarboxamide, 2-[[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)

OTHER NAMES:

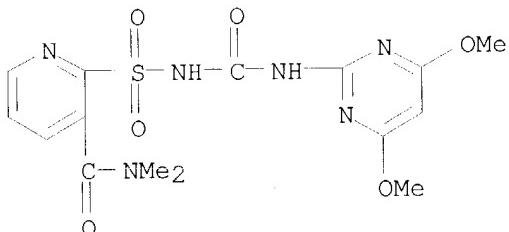
CN Accent
 CN Accent (pesticide)
 CN DPX-V 9360
 CN EMA 1534
 CN HU 195
 CN Milagro
 CN Motivell
 CN Nicosulfuron

CN SL 950
 MF C15 H18 N6 O6 S
 CI COM

SR CA
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, CA, CAPLUS,
 CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU,
 MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, TOXCENTER,
 ULIDAT, USPAT2, USPATFULL

(*File contains numerically searchable property data)

DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC
 (Process); RACT (Reactant or reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
 study); PREP (Preparation); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological
 study); PREP (Preparation); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

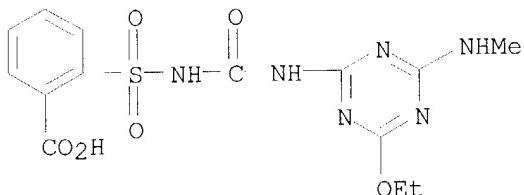
435 REFERENCES IN FILE CA (1907 TO DATE)
 66 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 436 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE	1:	140:387283
REFERENCE	2:	140:248744
REFERENCE	3:	140:248662
REFERENCE	4:	140:230913
REFERENCE	5:	140:199329
REFERENCE	6:	140:159049
REFERENCE	7:	140:159047
REFERENCE	8:	140:141108
REFERENCE	9:	140:141104
REFERENCE	10:	140:141050

L17 ANSWER 11 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 111353-84-5 REGISTRY
 CN Benzoic acid, 2-[[[[4-ethoxy-6-(methylamino)-1,3,5-triazin-2-yl]amino]carbonyl]amino]sulfonyl]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Ethametsulfuron
 CN Muster
 MF C14 H16 N6 O6 S
 CI COM
 SR CAS Client Services
 LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, PIRA, TOXCENTER,
 USPAT2, USPATFULL
 DT.CA CAplus document type: Journal; Patent
 RL.P Roles from patents: BIOL (Biological study); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
 study); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); OCCU (Occurrence); PREP (Preparation); PRP (Properties); USES
 (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological
 study)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

44 REFERENCES IN FILE CA (1907 TO DATE)
 8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 44 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:248661
 REFERENCE 2: 140:248621
 REFERENCE 3: 140:787
 REFERENCE 4: 139:129350
 REFERENCE 5: 139:73547
 REFERENCE 6: 139:64821
 REFERENCE 7: 138:267186
 REFERENCE 8: 138:68344
 REFERENCE 9: 137:364791
 REFERENCE 10: 136:351651

L17 ANSWER 12 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

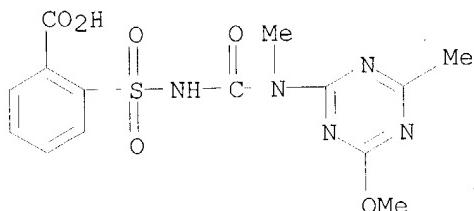
RN 106040-48-6 REGISTRY

CN Benzoic acid, 2-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)methylamino]carbonyl]amino]sulfonyl]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Tribenuron
 MF C14 H15 N5 O6 S
 CI COM

SR CAS Client Services
 LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CAPLUS, CBNB,
 TOXCENTER, USPAT2, USPATFULL
 DT.CA CAplus document type: Conference; Journal; Patent
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 PREP (Preparation); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
 study); PREP (Preparation); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP
 (Properties); USES (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological
 study); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

120 REFERENCES IN FILE CA (1907 TO DATE)
 22 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 120 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:194749
 REFERENCE 2: 140:158862
 REFERENCE 3: 140:54974
 REFERENCE 4: 140:787
 REFERENCE 5: 139:392460
 REFERENCE 6: 139:241692
 REFERENCE 7: 139:241691
 REFERENCE 8: 139:241690
 REFERENCE 9: 139:241522
 REFERENCE 10: 139:225814

L17 ANSWER 13 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 104040-78-0 REGISTRY
 CN 2-Pyridinesulfonamide, N-[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Chikara
 CN Flazasulfuron
 CN Katana
 CN OK 1166
 CN Shibagen
 CN SL 160

MF C13 H12 F3 N5 O5 S

CI COM

SR CA

LC STN Files: AGRICOLA, ANABSTR, BIOSIS, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, MRCK*, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL

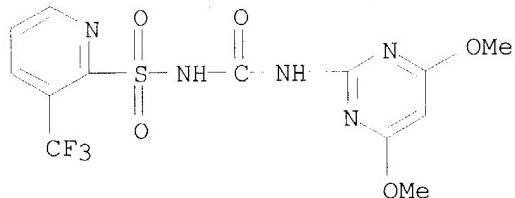
(*File contains numerically searchable property data)

DT.CA CAplus document type: Conference; Journal; Patent

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

82 REFERENCES IN FILE CA (1907 TO DATE)

20 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

82 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:248744

REFERENCE 2: 140:248665

REFERENCE 3: 140:204630

REFERENCE 4: 140:159047

REFERENCE 5: 140:158996

REFERENCE 6: 140:141108

REFERENCE 7: 140:141104

REFERENCE 8: 140:127319

REFERENCE 9: 140:124047

REFERENCE 10: 140:106955

L17 ANSWER 14 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN 99283-01-9 REGISTRY

CN Benzoic acid, 2-[[[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]methyl]- (9CI) (CA INDEX NAME)

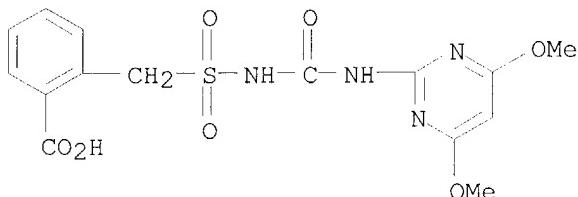
OTHER NAMES:

CN Bensulfuron

FS 3D CONCORD

MF C15 H16 N4 O7 S

CI COM
 SR CAS Client Services
 LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CAPLUS, CASREACT,
 CBNB, CEN, CHEMLIST, TOXCENTER, USPAT2, USPATFULL
 DT.CA CAplus document type: Conference; Journal; Patent
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
 study); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP
 (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

95 REFERENCES IN FILE CA (1907 TO DATE)
 23 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 96 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:387257
 REFERENCE 2: 140:248624
 REFERENCE 3: 140:54974
 REFERENCE 4: 140:787
 REFERENCE 5: 139:225814
 REFERENCE 6: 139:190695
 REFERENCE 7: 139:64821
 REFERENCE 8: 139:2379
 REFERENCE 9: 138:267186
 REFERENCE 10: 138:68344

L17 ANSWER 15 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 98389-04-9 REGISTRY
 CN 1H-Pyrazole-4-carboxylic acid, 5-[[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-1-methyl- (9CI) (CA INDEX NAME)

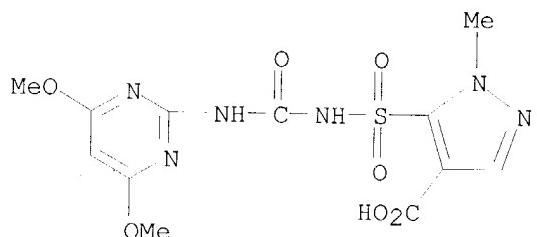
OTHER NAMES:

CN Pyrazosulfuron
 FS 3D CONCORD
 MF C12 H14 N6 O7 S
 CI COM
 SR CA
 LC STN Files: AGRICOLA, BIOSIS, CA, CABAB, CAPLUS, CHEMLIST, CIN, PROMT,

RTECS*, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

DT.CA CAplus document type: Journal; Patent

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
PREP (Preparation); RACT (Reactant or reagent); USES (Uses)RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
study); USES (Uses)RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
study); PREP (Preparation); USES (Uses)RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological
study); USES (Uses)

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

41 REFERENCES IN FILE CA (1907 TO DATE)

19 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

41 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:370174

REFERENCE 2: 139:192911

REFERENCE 3: 139:64821

REFERENCE 4: 138:267186

REFERENCE 5: 138:250030

REFERENCE 6: 137:290314

REFERENCE 7: 137:274423

REFERENCE 8: 136:195645

REFERENCE 9: 135:299961

REFERENCE 10: 135:253266

L17 ANSWER 16 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN 94593-91-6 REGISTRY

CN Benzenesulfonamide, N-[(4,6-dimethoxy-1,3,5-triazin-2-yl)amino]carbonyl]-
2-(2-methoxyethoxy)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN CGA 142464

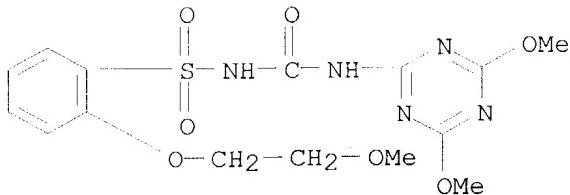
CN Cinosulfuron

CN Dimetrasulfuron

FS 3D CONCORD

MF C15 H19 N5 O7 S

CI COM
 LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CAPLUS, CBNB,
 CHEMCATS, CHEMLIST, CSCHEM, MEDLINE, RTECS*, SPECINFO, TOXCENTER,
 USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 DT.CA CAplus document type: Conference; Journal; Patent
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC
 (Process); RACT (Reactant or reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
 study); BIOL (Biological study); PREP (Preparation); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); OCCU (Occurrence); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological
 study)



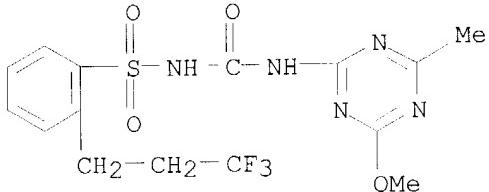
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

169 REFERENCES IN FILE CA (1907 TO DATE)
 59 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 169 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:248744
 REFERENCE 2: 140:159047
 REFERENCE 3: 140:158867
 REFERENCE 4: 140:141108
 REFERENCE 5: 140:141104
 REFERENCE 6: 140:127319
 REFERENCE 7: 140:124047
 REFERENCE 8: 140:106955
 REFERENCE 9: 140:89300
 REFERENCE 10: 140:27561

L17 ANSWER 17 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 94125-34-5 REGISTRY
 CN Benzenesulfonamide, N-[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]-2-(3,3,3-trifluoropropyl)- (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN CGA 152005
 CN N-(4-Methoxy-6-methyl-1,3,5-triazin-2-yl)-N'-[2-(3,3,3-trifluoroprop-1-yl)benzenesulfonyl]urea

CN Peak
 CN Peak 57WG
 CN Prosulfuron
 FS 3D CONCORD
 MF C15 H16 F3 N5 O4 S
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, CA, CAPLUS,
 CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CSCHEM, MEDLINE, MRCK*, PROMT,
 RTECS*, TOXCENTER, ULIDAT, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 DT.CA CPlus document type: Dissertation; Journal; Patent; Report
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC
 (Process); PRP (Properties); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
 study); PREP (Preparation); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological
 study); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

155 REFERENCES IN FILE CA (1907 TO DATE)
 54 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 155 REFERENCES IN FILE CAPLUS (1907 TO DATE)

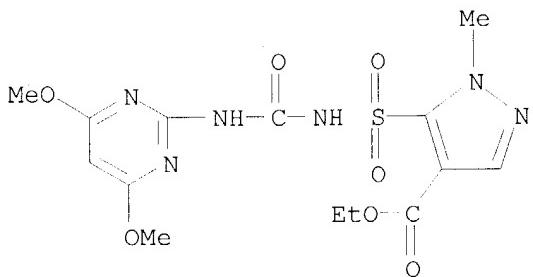
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 REFERENCE 2: 140:199329
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 REFERENCE 6: 140:141108
 REFERENCE 7: 140:141104
 REFERENCE 8: 140:127319
 REFERENCE 9: 140:124047
 REFERENCE 10: 140:106955

L17 ANSWER 18 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 93697-74-6 REGISTRY
 CN 1H-Pyrazole-4-carboxylic acid, 5-[[[[(4,6-dimethoxy-2-

pyrimidinyl)amino]carbonyl]amino]sulfonyl]-1-methyl-, ethyl ester (9CI)
 (CA INDEX NAME)

OTHER NAMES:

CN Agree
 CN Pyrazosulfuron-ethyl
 FS 3D CONCORD
 DR 129271-63-2
 MF C14 H18 N6 O7 S
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CABA, CAPLUS,
 CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, PROMT, RTECS*,
 TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 DT.CA CAplus document type: Journal; Patent
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical
 study); BIOL (Biological study); PREP (Preparation); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP
 (Properties); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

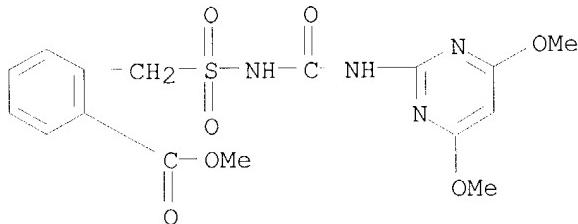
262 REFERENCES IN FILE CA (1907 TO DATE)
 58 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 262 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE	1:	140:375176
REFERENCE	2:	140:266097
REFERENCE	3:	140:248744
REFERENCE	4:	140:204630
REFERENCE	5:	140:159047
REFERENCE	6:	140:141108
REFERENCE	7:	140:141104
REFERENCE	8:	140:124047
REFERENCE	9:	140:106955

REFERENCE 10: 140:89300

L17 ANSWER 19 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN
 RN **83055-99-6** REGISTRY
 CN Benzoic acid, 2-[[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]methyl-, methyl ester (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Bensulfuron-methyl
 CN Bianmihuanglong
 CN DPX 84
 CN DPX-F 5384
 CN F 5384
 CN Londax
 CN Mariner
 CN Methyl 2-[(4,6-dimethoxypyrimidin-2-yl)ureidosulfonylmethyl]benzoate
 FS 3D CONCORD
 DR 96081-37-7, 104466-83-3, 110280-01-8
 MF C16 H18 N4 O7 S
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOPHARMA, BIOSIS, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, MEDLINE, MRCK*, MSDS-OHS, PROMT, RTECS*, TOXCENTER, UOLIDAT, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

546 REFERENCES IN FILE CA (1907 TO DATE)
 58 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 547 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:387274
 REFERENCE 2: 140:316913
 REFERENCE 3: 140:292004
 REFERENCE 4: 140:266099
 REFERENCE 5: 140:266097

REFERENCE 6: 140:266091
 REFERENCE 7: 140:248744
 REFERENCE 8: 140:248622
 REFERENCE 9: 140:204630
 REFERENCE 10: 140:159047

L17 ANSWER 20 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN 82097-50-5 REGISTRY

CN Benzenesulfonamide, 2-(2-chloroethoxy)-N-[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Amber
 CN CGA 131036
 CN Logran
 CN Triasulfuron
 FS 3D CONCORD
 DR 135100-29-7
 MF C14 H16 Cl N5 O5 S
 CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, CA, CABA, CAPLUS, CBNB, CHEMCATS, CHEMLIST, CSCHEM, CSNB, MEDLINE, MRCK*, PROMT, RTECS*, TOXCENTER, ULIDAT, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

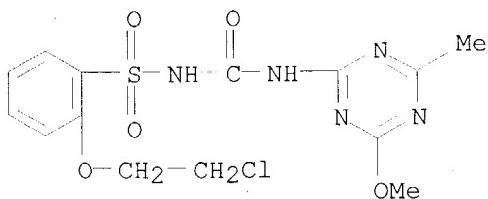
DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); PROC (Process); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

367 REFERENCES IN FILE CA (1907 TO DATE)
 58 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 367 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:248744

REFERENCE 2: 140:248681

REFERENCE 3: 140:159047
 REFERENCE 4: 140:158867
 REFERENCE 5: 140:158862
 REFERENCE 6: 140:141108
 REFERENCE 7: 140:141104
 REFERENCE 8: 140:127319
 REFERENCE 9: 140:124047
 REFERENCE 10: 140:106955

L17 ANSWER 21 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN **79510-48-8** REGISTRY

CN Benzoic acid, 2-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Metsulfuron
 MF C13 H13 N5 O6 S
 CI COM

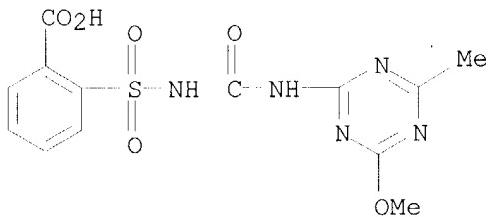
LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CABA, CAPLUS, CASREACT, CBNB, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report

RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

223 REFERENCES IN FILE CA (1907 TO DATE)

25 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

223 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:356234
 REFERENCE 2: 140:334069
 REFERENCE 3: 140:266087
 REFERENCE 4: 140:230909

REFERENCE 5: 140:194856
 REFERENCE 6: 140:176698
 REFERENCE 7: 140:141046
 REFERENCE 8: 140:89256
 REFERENCE 9: 140:787
 REFERENCE 10: 139:360355

L17 ANSWER 22 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN 79277-67-1 REGISTRY

CN 2-Thiophenecarboxylic acid, 3-[[[[4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN L 9225
 CN Thiameturon
 CN Thifensulfuron
 FS 3D CONCORD
 DR 109946-38-5
 MF C11 H11 N5 O6 S2
 CI COM

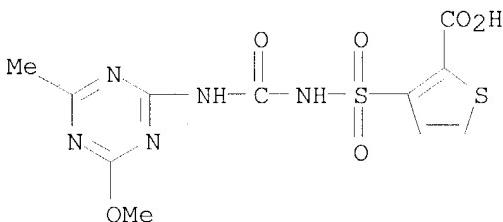
LC STN Files: AGRICOLA, ANABSTR, BIOBUSINESS, BIOSIS, CA, CAPLUS, CASREACT, CBNB, PROMT, TOXCENTER, USPAT2, USPATFULL

DT.CA CAplus document type: Conference; Dissertation; Journal; Patent

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)

RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

189 REFERENCES IN FILE CA (1907 TO DATE)

34 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

189 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:159049
 REFERENCE 2: 140:141050
 REFERENCE 3: 140:787
 REFERENCE 4: 139:241692

REFERENCE 5: 139:241691
 REFERENCE 6: 139:241690
 REFERENCE 7: 139:145110
 REFERENCE 8: 139:64821
 REFERENCE 9: 138:364149
 REFERENCE 10: 138:282744

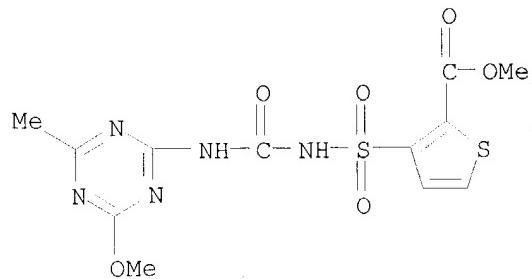
L17 ANSWER 23 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN
 RN **79277-27-3** REGISTRY
 CN 2-Thiophenecarboxylic acid, 3-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

OTHER NAMES:

CN DPX-M 6316
 CN Harmony
 CN Harmony 75DF
 CN Pinnacle
 CN Refine
 CN Refine DF
 CN Thiameturon-methyl
 CN Thifensulfuron methyl
 CN Thifensulfuron methyl ester
 FS 3D CONCORD
 MF C12 H13 N5 O6 S2
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BIOBUSINESS, BIOSIS, CA, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PROMT, RTECS*, TOXCENTER, ULIDAT, USPAT2, USPATFULL

(*File contains numerically searchable property data)

DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological study); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

302 REFERENCES IN FILE CA (1907 TO DATE)
 41 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 302 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:286398
 REFERENCE 2: 140:248744
 REFERENCE 3: 140:199329
 REFERENCE 4: 140:159047
 REFERENCE 5: 140:141108
 REFERENCE 6: 140:141104
 REFERENCE 7: 140:127319
 REFERENCE 8: 140:124047
 REFERENCE 9: 140:106955
 REFERENCE 10: 140:89300

L17 ANSWER 24 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN **74223-64-6** REGISTRY
 CN Benzoic acid, 2-[[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]amino]sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)

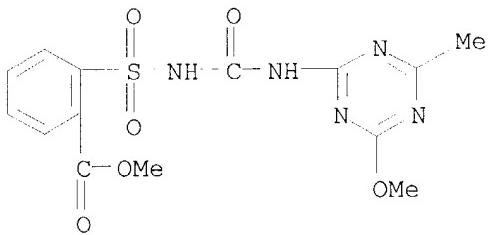
OTHER NAMES:

CN Ally
 CN Ally 20DF
 CN Brush-off
 CN DPD 63760H
 CN DPX 6376
 CN DPX-T 6376
 CN Escort
 CN Escort (pesticide)
 CN Granstar
 CN Gropper
 CN HCHA 92HA
 CN Metsulfuron-methyl
 CN N-[(2-Methoxycarbonyl)phenyl]sulfonyl-N'-(6-methoxy-4-methyl-2-triazinyl)urea
 CN T 6376
 DR 82197-07-7
 MF C14 H15 N5 O6 S
 CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, DDFU, DRUGU, EMBASE, HSDB*, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, TOXCENTER, ULIDAT, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PROC

(Process); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

723 REFERENCES IN FILE CA (1907 TO DATE)
 46 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 724 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 140:373983
 REFERENCE 2: 140:357359
 REFERENCE 3: 140:298802
 REFERENCE 4: 140:266095
 REFERENCE 5: 140:248744
 REFERENCE 6: 140:248681
 REFERENCE 7: 140:212294
 REFERENCE 8: 140:176695
 REFERENCE 9: 140:176687
 REFERENCE 10: 140:159047

L17 ANSWER 25 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN 64902-72-3 REGISTRY

CN Benzenesulfonamide, 2-chloro-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN Chlorsulfuron
 CN DPX 4189
 CN DPX-W 4189
 CN Glean
 CN Glean 20DF
 CN Glean 75
 CN Glean 75DF
 CN Khardin
 CN N-(2-Chlorophenyl)sulfonyl-N'-(4-methyl-6-methoxy-2-triazinyl)urea
 CN Tuligen
 CN W 4189

FS 3D CONCORD
 DR 112143-77-8
 MF C12 H12 Cl N5 O4 S
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CABA, CANCERLIT, CAPLUS, CASREACT, CBNB, CHEMCATS,
 CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT,

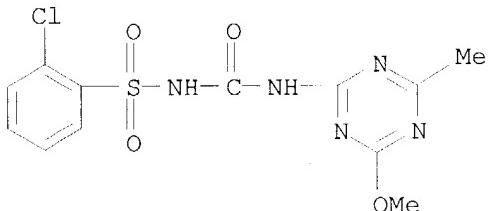
IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*,
SPECINFO, TOXCENTER, UOLIDAT, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**

(**Enter CHEMLIST File for up-to-date regulatory information)

- DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
 study); PREP (Preparation); USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
 study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU
 (Occurrence)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1335 REFERENCES IN FILE CA (1907 TO DATE)
 59 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1337 REFERENCES IN FILE CAPLUS (1907 TO DATE)

- REFERENCE 1: 140:334069
 REFERENCE 2: 140:266095
 REFERENCE 3: 140:265957
 REFERENCE 4: 140:248744
 REFERENCE 5: 140:248681
 REFERENCE 6: 140:194867
 REFERENCE 7: 140:194859
 REFERENCE 8: 140:194856
 REFERENCE 9: 140:194839
 REFERENCE 10: 140:176687

L17 ANSWER 26 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN 1156-19-0 REGISTRY

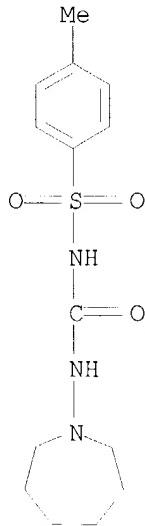
CN Benzenesulfonamide, N-[(hexahydro-1H-azepin-1-yl)amino]carbonyl]-4-methyl-
 (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Urea, 1-(hexahydro-1H-azepin-1-yl)-3-(p-tolylsulfonyl)- (6CI, 7CI, 8CI)

OTHER NAMES:

CN 1-(4-Methylphenylsulfonyl)-3-(hexahydro-1H-azepin-1-yl)urea
 CN 1-(Hexahydro-1H-azepinyl)-3-p-tolylsulfonylurea
 CN 1-(Hexahydro-1H-azepin-1-yl)-3-(p-tolylsulfonyl)urea
 CN Diabewas
 CN N-(p-Toluenesulfonyl)-N'-hexamethyleniminoourea
 CN Norglycin
 CN NSC 70762
 CN Tolanase
 CN Tolazamide
 CN Tolinase
 CN U 17835
 FS 3D CONCORD
 MF C14 H21 N3 O3 S
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DIOGENES, DRUGU,
 EMBASE, HSDB*, IPA, MEDLINE, MRCK*, NIOSHTIC, PROMT, PS, RTECS*,
 SPECINFO, TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA CAplus document type: Conference; Dissertation; Journal; Patent; Report
 RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); PROC
 (Process); PRP (Properties); USES (Uses); NORL (No role in record)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
 study)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: BIOL (Biological
 study)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

340 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 341 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 17 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 140:363072
 REFERENCE 2: 140:357333
 REFERENCE 3: 140:253571
 REFERENCE 4: 140:199313
 REFERENCE 5: 140:192277
 REFERENCE 6: 140:105831
 REFERENCE 7: 140:8791
 REFERENCE 8: 139:391126
 REFERENCE 9: 139:386449
 REFERENCE 10: 139:374259

L17 ANSWER 27 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN **1034-82-8** REGISTRY

CN Benzenesulfonamide, N-[(cycloheptylamino)carbonyl]-4-methyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Urea, 1-cycloheptyl-3-(p-tolylsulfonyl)- (7CI, 8CI)

OTHER NAMES:

CN 1-Cycloheptyl-3-p-tolylsulfonylurea

CN Cycloheptolamide

CN Cyclotolheptamide

CN D 656

CN Heptolamide

CN N-(4-Methylphenylsulfonyl)-N'-cycloheptylurea

CN N-4-Methylbenzenesulfonyl-N'-cycloheptylurea

CN U-14462

FS 3D CONCORD

MF C15 H22 N2 O3 S

CI COM

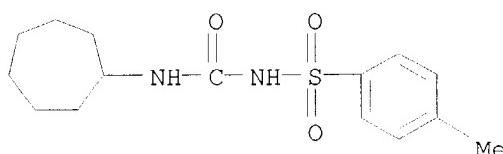
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CHEMCATS, DDFU, DRUGU, USAN
 (*File contains numerically searchable property data)

Other Sources: WHO

DT.CA CAplus document type: Journal; Patent

RL.P Roles from patents: NORL (No role in record)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); NORL (No role in record)



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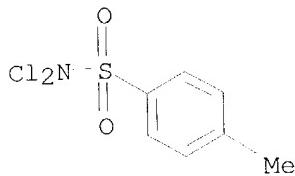
17 REFERENCES IN FILE CA (1907 TO DATE)

17 REFERENCES IN FILE CAPLUS (1907 TO DATE)

10 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 136:359744
 REFERENCE 2: 113:46186
 REFERENCE 3: 65:93557
 REFERENCE 4: 65:56140
 REFERENCE 5: 65:23828
 REFERENCE 6: 64:35353
 REFERENCE 7: 64:27298
 REFERENCE 8: 64:7851
 REFERENCE 9: 64:7850
 REFERENCE 10: 62:43710

L17 ANSWER 28 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 473-34-7 REGISTRY
 CN Benzenesulfonamide, N,N-dichloro-4-methyl- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Dichloramine-T (6CI)
 CN p-Toluenesulfonamide, N,N-dichloro- (7CI, 8CI)
 OTHER NAMES:
 CN Benzyl p-sulfondichloramide
 CN N,N-Dichloro-4-methylbenzenesulfonamide
 CN N,N-Dichloro-4-toluenesulfonamide
 CN N,N-Dichloro-p-methylbenzenesulfonamide
 CN N,N-Dichloro-p-toluenesulfonamide
 CN N,N-Dichloro-p-tolylsulfonamide
 CN NSC 1130
 CN Peraktivin
 FS 3D CONCORD
 DR 33643-64-0, 110076-45-4
 MF C7 H7 Cl2 N O2 S
 CI COM
 LC STN Files: ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
 CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM,
 EMBASE, GMELIN*, HODOC*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*,
 SPECINFO, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA CAplus document type: Conference; Journal; Patent; Report
 RL.P Roles from patents: BIOL (Biological study); OCCU (Occurrence); PROC
 (Process); RACT (Reactant or reagent); USES (Uses); NORL (No role in
 record)
 RLD.P Roles for non-specific derivatives from patents: USES (Uses)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
 study); FORM (Formation, nonpreparative); PREP (Preparation); PROC
 (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses);
 NORL (No role in record)
 RLD.NP Roles for non-specific derivatives from non-patents: PRP (Properties);
 USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

322 REFERENCES IN FILE CA (1907 TO DATE)
 5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 323 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 140:200577
 REFERENCE 2: 140:47567
 REFERENCE 3: 139:395517
 REFERENCE 4: 139:164745
 REFERENCE 5: 139:159420
 REFERENCE 6: 138:205310
 REFERENCE 7: 138:124209
 REFERENCE 8: 137:262983
 REFERENCE 9: 137:109237
 REFERENCE 10: 136:325501

L17 ANSWER 29 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN 80-13-7 REGISTRY

CN Benzoic acid, 4-[(dichloroamino)sulfonyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzoic acid, p-(dichlorosulfamoyl)- (7CI, 8CI)

CN Halazon (6CI)

OTHER NAMES:

CN 4-Carboxy-N,N-dichlorobenzenesulfonamide

CN 4-[(Dichloroamino)sulfonyl]benzoic acid

CN Halazon

CN NSC 60717

CN p-(Dichlorosulfamoyl)benzoic acid

CN p-(N,N-Dichlorosulfamoyl)benzoic acid

CN p-(N,N-Dichlorosulfamyl)benzoic acid

CN p-Sulfondichloramidobenzoic acid

CN Pantocid

CN Pantocide

CN Pantosid

CN Pentocid

CN Zeptabs

FS 3D CONCORD

MF C7 H5 Cl2 N O4 S

CI COM

LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,

CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, HODOC*, IFICDB,

IFIPAT, IFIUDB, IMSCOSEARCH, MEDLINE, MRCK*, PROMT, PS, RTECS*,
SPECINFO, TOXCENTER, USAN, USPATFULL

(*File contains numerically searchable property data)

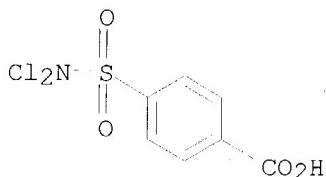
Other Sources: EINECS**, NDSL**, TSCA**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAplus document type: Journal; Patent

RL.P Roles from patents: BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

77 REFERENCES IN FILE CA (1907 TO DATE)

77 REFERENCES IN FILE CAPLUS (1907 TO DATE)

6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 140:47567

REFERENCE 2: 137:165000

REFERENCE 3: 137:108620

REFERENCE 4: 135:268683

REFERENCE 5: 133:315197

REFERENCE 6: 133:275905

REFERENCE 7: 133:179325

REFERENCE 8: 132:293042

REFERENCE 9: 132:156891

REFERENCE 10: 129:218312

L17 ANSWER 30 OF 30 REGISTRY COPYRIGHT 2004 ACS on STN

RN 64-77-7 REGISTRY

CN Benzenesulfonamide, N-[(butylamino)carbonyl]-4-methyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Urea, 1-butyl-3-(p-tolylsulfonyl)- (8CI)

OTHER NAMES:

CN 1-Butyl-3-(p-methylphenylsulfonyl)urea

CN 1-Butyl-3-(p-tolylsulfonyl)urea

CN 3-(p-Tolyl-4-sulfonyl)-1-butylurea

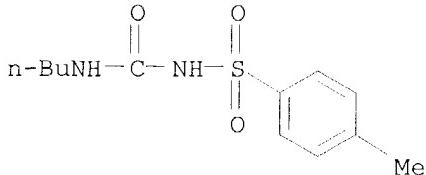
CN Aglicid

CN Arkozal

CN Artosin
 CN Artozin
 CN Butamid
 CN Butamide
 CN D 860
 CN Diaben
 CN Diabetamid
 CN Diabetol
 CN Diabuton
 CN Diasulfon
 CN Dolipol
 CN Glyconon
 CN HLS 831
 CN Ipoglicone
 CN Mobenol
 CN N-(4-Methylbenzenesulfonyl)-N'-butylurea
 CN N-(4-Methylphenylsulfonyl)-N'-butylurea
 CN N-(p-Methylbenzenesulfonyl)-N'-butylurea
 CN N-(p-Tolylsulfonyl)-N'-butylcarbamide
 CN N-(Sulfonyl-p-methylbenzene)-N'-n-butylurea
 CN N-Butyl-N'-(4-methylphenylsulfonyl)urea
 CN N-Butyl-N'-(p-tolylsulfonyl)urea
 CN N-Butyl-N'-p-toluenesulfonylurea
 CN N-n-Butyl-N'-tosylurea
 CN NSC 23813
 CN NSC 87833
 CN Orabet
 CN Oralin
 CN Orezan
 CN Orinase
 CN Orinaz
 CN Oterben
 CN Pramidex
 CN Rastinon
 CN Tolbusal
 CN Tolbutamid
 CN Tolbutamide
 CN Toluina
 CN Tolumid
 CN Tolumide
 CN Toluvan
 CN U 2043
 CN Willbutamide
 FS 3D CONCORD
 DR 100735-34-0
 MF C12 H18 N2 O3 S
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS,
 CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE, HODOC*, HSDB*,
 IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA, MEDLINE, MRCK*, NIOSHTIC,
 PROMT, PS, RTECS*, SPECINFO, TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)
 DT.CA CPlus document type: Book; Conference; Dissertation; Journal; Patent;
 Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or
 reagent); USES (Uses); NORL (No role in record)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological
 study)
 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological

study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3701 REFERENCES IN FILE CA (1907 TO DATE)
 25 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 3706 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 74 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE	1:	140:395395
REFERENCE	2:	140:388993
REFERENCE	3:	140:368436
REFERENCE	4:	140:368434
REFERENCE	5:	140:368059
REFERENCE	6:	140:368053
REFERENCE	7:	140:363072
REFERENCE	8:	140:357333
REFERENCE	9:	140:352447
REFERENCE	10:	140:350336

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=> fil hcaplus
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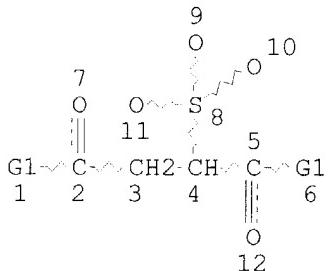
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FILE COVERS 1907 - 9 Jun 2004 VOL 140 ISS 24
 FILE LAST UPDATED: 8 Jun 2004 (20040608/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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L1          STR
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NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED
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GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 12
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STEREO ATTRIBUTES: NONE

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L14	38 SEA FILE=HCAPLUS ABB=ON PLU=ON L13 NOT L10
L18	944 SEA FILE=REGISTRY ABB=ON PLU=ON NICOSULFURON OR FLUPYRSULFURO N OR PYRIDYLSULFONYLUR? OR IMIDAZOLYLSULFONY? OR MON(W) 37500 OR AMIDOSULF? OR AZIMSULF? OR BENSULFUR? OR CINOSULF? OR CYCLOSULF? OR ETHAMETSUL? OR ETHOXYSULF? OR FLAZASULF? OR FLUPYRSUL?
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OR TRIASULF? OR TRIBEN? OR TRIFLUSULFUR? OR IODOSULFU? OR
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MON(W)37500 OR AMIDOSULF? OR AZIMSULFU? OR BENSULFUR? OR
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FLAZASULF? OR FLUPYRSUL?

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RIMSULFUR? OR SULFOMETUR?

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L26 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L25 NOT (L10 OR L14)

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=> d ibib abs hitrn 126 1-4

L26 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:353263 HCAPLUS
DOCUMENT NUMBER: 136:374830
TITLE: Novel dispersible and soluble galenic paracetamol
formulation, method for its preparation and its
applications
INVENTOR(S): Carvajal Martin, Luis; Asensio Asensio, Juan Carlos;
Sevilla Tirado, Francisco Javier
PATENT ASSIGNEE(S): Laboratorios Belmac, S.A., Spain
SOURCE: PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Spanish
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002036101	A1	20020510	WO 2001-ES402	20011024
W: JP, PL, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
ES 2174734	A1	20021101	ES 2000-2653	20001103
ES 2174734	B1	20031001		
EP 1331001	A1	20030730	EP 2001-976327	20011024
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				
JP 2004512355	T2	20040422	JP 2002-538913	20011024
US 2002197312	A1	20021226	US 2002-188680	20020703
US 6620433	B2	20030916		
PRIORITY APPLN. INFO.:			ES 2000-2653	A 20001103
			WO 2001-ES402	W 20011024

AB The novel galenic paracetamol formulation consists of a base mixture of paracetamol and citric acid in a proportion from 85:15 to 90:10 weight % amongst other pharmaceutically acceptable components in a dried state with water activity of less than 0.6 and in the form of a powder, granulate or tablet. The method involves obtaining said dried base mixture with a water activity of less than 0.6 with the purpose of obtaining a powder that may be granulated to obtain a dispersible and water-soluble granulate, which can also be compressed to obtain a dispersible and water-soluble tablet. This

novel formulation can be used in human and veterinary medicine.
 IT **96323-92-1**
 RL: PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process);
 USES (Uses)
 (dispersible and soluble galenic paracetamol formulation)
 REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L26 ANSWER 2 OF 4 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1999:493472 HCPLUS
 DOCUMENT NUMBER: 132:124443
 TITLE: New technological conditions and characteristics for production of disodium alcohol ethoxysulfosuccinate monoester
 AUTHOR(S): Chen, Weiping; Tu, Hua
 CORPORATE SOURCE: Department of Chemical Engineering, Central South University of Technology, Changsha, 410083, Peop. Rep. China
 SOURCE: Zhongnan Gongye Daxue Xuebao (1999), 30(2), 166-168
 CODEN: ZGDXFY; ISSN: 1005-9792
 PUBLISHER: Zhongnan Gongye Daxue
 DOCUMENT TYPE: Journal
 LANGUAGE: Chinese
 AB According to the problem existing in the industrial production of disodium alc. ethoxysulfosuccinate monoester, new technol. conditions and characteristics were studied. Using the catalyst synthesized by the author, esterification reaction temperature reduced from 120° to 70°, reaction time reduced from 15 h to 2 h, and production ratio increased from 95% to 98.7%. The new method is a good approach to produce this perfect product at lower cost.

IT **104485-38-3DP**, alkyl monoether
 RL: IMF (Industrial manufature); PREP (Preparation)
 (new technol. conditions and characteristics for production of disodium alc. **ethoxysulfosuccinate** monoester)

L26 ANSWER 3 OF 4 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1985:187506 HCPLUS
 DOCUMENT NUMBER: 102:187506
 TITLE: Composition of a charge for a chemical foam fire extinguisher
 INVENTOR(S): Zelenkin, V. M.; Uglov, A. V.
 PATENT ASSIGNEE(S): All-Union Scientific-Research Institute of Fire Prevention, USSR
 SOURCE: U.S.S.R. From: Otkrytiya, Izobret. 1984, (47), 39.
 CODEN: URXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Russian
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
SU 1130357	A1	19841223	SU 1982-3550019	19821130
PRIORITY APPLN. INFO.:			SU 1982-3550019	19821130
AB	Fire-extinguishing compns. with increased capacity for extinguishing combustible liqs. immiscible with water contain an acid part consisting of an aqueous solution of 19-26 H ₂ SO ₄ , 18-25 weight% ferric sulfate, and the balance water and an alkaline part consisting of 4.6-4.7 NaHCO ₃ , 0.1-5.0 weight% disodium mono-2-(alkanamido)-ethylsuccinatosulfonate as the foaming agent, and the balance, water.			
IT	96323-92-1D , 2-alkanamido derivs.			
RL: USES (Uses)				

(foaming agents, in fire extinguishers containing acid and alkaline components)

L26 ANSWER 4 OF 4 HCPLUS COPYRIGHT 2004 ACS on STN
 ACCESSION NUMBER: 1981:499617 HCPLUS
 DOCUMENT NUMBER: 95:99617
 TITLE: Aqueous emulsions of rosins and rosin derivatives
 PATENT ASSIGNEE(S): Toho Chemical Industry Co., Ltd., Japan; Kindai
 Chemical Industry Co., Ltd.
 SOURCE: Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 56041226	A2	19810417	JP 1979-115768	19790911
JP 60031330	B4	19850722		

PRIORITY APPLN. INFO.: JP 1979-115768 19790911
 AB Rosin sizes for paper are prepared by using RO(R1O)nOCCHSO3MCH₂CO(OR1)nOR (R = aryl or alkylaryl; R₁ = ethylene or propylene; n = 5-40, M = H, ammonium, or univalent metals) as emulsifiers. Thus, 90 parts rosin and 4 parts paraformaldehyde were heated at 170-180° for 3 h, mixed with 10 parts fumaric acid, esterified at 200-210° for 4 h, melted (57.7 parts) at 140-150°, mixed with 3.6 parts poly(oxyethylene) tribenzylphenyl ether sulfosuccinate Na salt [78688-53-6], mixed with 15.3 parts 3.8% aqueous KOH at the same temperature under pressure, emulsified, mixed with 46 parts warm water, and passed through a high-pressure emulsifying apparatus at 95° to give a 50.1% emulsion having good emulsion properties.

=> select hit rn l26 1-4
 E38 THROUGH E39 ASSIGNED

=> fil reg
 FILE 'REGISTRY' ENTERED AT 12:27:00 ON 09 JUN 2004
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STRUCTURE FILE UPDATES: 8 JUN 2004 HIGHEST RN 690955-30-7
 DICTIONARY FILE UPDATES: 8 JUN 2004 HIGHEST RN 690955-30-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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1 96323-92-1/BI
 (96323-92-1/RN)
 1 104485-38-3/BI
 (104485-38-3/RN)

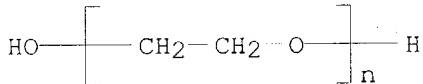
L27 2 (96323-92-1/BI OR 104485-38-3/BI)

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L27 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
 RN **104485-38-3** REGISTRY
 CN Poly(oxy-1,2-ethanediyl), α -(3-carboxy-1-oxosulfopropyl)- ω -hydroxy-, disodium salt (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Polyethylene glycol disodium sulfosuccinate
 MF (C₂H₄O)_nC₄H₆O₇S . 2 Na
 CI IDS, PMS
 PCT Polyester, Polyether, Polyother
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL
 DT.CA CAplus document type: Conference; Journal; Patent
 RL.P Roles from patents: BIOL (Biological study); USES (Uses)
 RLD.P Roles for non-specific derivatives from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)
 RLD.NP Roles for non-specific derivatives from non-patents: PREP (Preparation); PRP (Properties); USES (Uses)

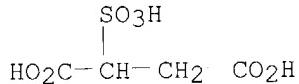
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 CCI PMS



CM 2

CRN 5138-18-1
 CMF C₄H₆O₇S



18 REFERENCES IN FILE CA (1907 TO DATE)
 13 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 18 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 139:202112

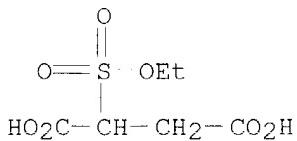
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REFERENCE 3: 138:275927

REFERENCE 4: 138:95273

REFERENCE 5: 136:281183
 REFERENCE 6: 135:200196
 REFERENCE 7: 134:354330
 REFERENCE 8: 132:124443
 REFERENCE 9: 124:149310
 REFERENCE 10: 123:17455

L27 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 96323-92-1 REGISTRY
 CN Butanedioic acid, (ethoxysulfonyl)-, disodium salt (9CI) (CA INDEX NAME)
 MF C6 H10 O7 S . 2 Na
 LC STN Files: CA, CAPLUS, USPAT2, USPATFULL
 DT.CA CAplus document type: Patent
 RL.P Roles from patents: BIOL (Biological study); PROC (Process); USES
 (Uses)
 RLD.P Roles for non-specific derivatives from patents: USES (Uses)



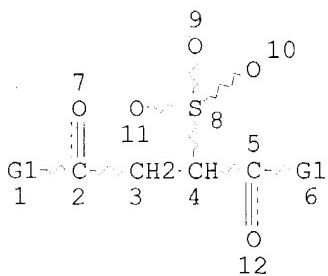
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2 REFERENCES IN FILE CA (1907 TO DATE)
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 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:374830
 REFERENCE 2: 102:187506

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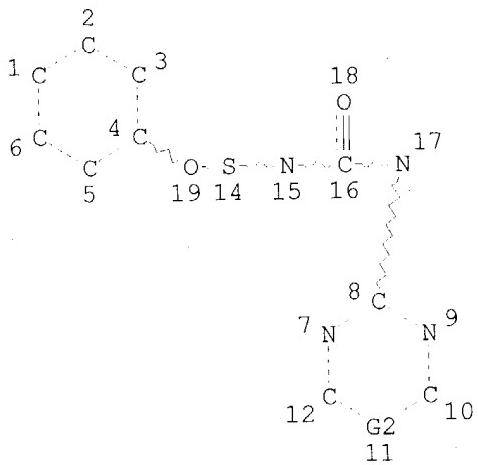
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 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE

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 L5 329 SEA FILE=REGISTRY ABB=ON PLU=ON ACETOLACTATE SYNTHASE?/CN
 L6 1577 SEA FILE=HCAPLUS ABB=ON PLU=ON L5 OR ACETOLACTATE (W) SYNTH?
 L7 605 SEA FILE=HCAPLUS ABB=ON PLU=ON L6 (L) INHIBIT?
 L8 638 SEA FILE=HCAPLUS ABB=ON PLU=ON L4 OR L7
 L9 12352 SEA FILE=HCAPLUS ABB=ON PLU=ON L3
 L10 1 SEA FILE=HCAPLUS ABB=ON PLU=ON L9 AND L8
 L11 465 SEA FILE=REGISTRY ABB=ON PLU=ON SULFONYLURE? OR CHLORSULFUR?
 OR CHLOIMURON? OR METSULFUR? OR SULFURON? OR SULFUMET? OR
 TRIBENURO? OR IODOSULFURON? OR SULFONDI?
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 L14 38 SEA FILE=HCAPLUS ABB=ON PLU=ON L13 NOT L10
 L18 944 SEA FILE=REGISTRY ABB=ON PLU=ON NICOSULFURON OR FLUPYRSULFURO
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 OR AMIDOSULF? OR AZIMSULFU? OR BENSULFUR? OR CINOSULF? OR
 CYCLOSULF? OR ETHAMETSUL? OR ETHOXYSULF? OR FLAZASULF? OR
 FLUPYRSUL?
 L19 128 SEA FILE=REGISTRY ABB=ON PLU=ON HALOSULFU? OR IMAZOSULF? OR
 OXASULF? OR PRIMISULF? OR PROSULF? OR PYRAZOSUL? OR RIMSULFUR?
 OR SULFOMETUR?
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 OR TRIASULF? OR TRIBEN? OR TRIFLUSULFUR? OR IODOSULFU? OR
 MESOSULFUR? OR FORAMSULFUR?
 L21 10169 SEA FILE=HCAPLUS ABB=ON PLU=ON L18 OR NICOSULFURON OR
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 MON(W) 37500 OR AMIDOSULF? OR AZIMSULFU? OR BENSULFUR? OR
 CINOSULF? OR CYCLOSULF? OR ETHAMETSUL? OR ETHOXYSULF? OR
 FLAZASULF? OR FLUPYRSUL?
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 RIMSULFUR? OR SULFOMETUR?
 L23 16418 SEA FILE=HCAPLUS ABB=ON PLU=ON L20 OR SULFOSULFUR? OR
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 IODOSULFU? OR MESOSULFUR? OR FORAMSULFUR?
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 L38 STR



VAR G2=CH/N

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

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L41	3 SEA FILE=HCAPLUS ABB=ON	PLU=ON	L40 AND L9	
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